The Standards Institution of Israel

CERTIFICATE OF CONFORMITY

This is to certify that: Industrial Wall Paper Printer

Model: VK-04-0000

Electrical Ratings: 380-415Vac, 3W+N+PE, 50/60Hz, 16A

Manufactured by: VEIKA

Trade Mark: DIMENSE

Address: 37 Baltosios Vokes Str., LT-02243, Vilnius, Lithuania

has been tested by the SII and found to comply with the standard requirements of:

- IEC 60204-1: 2005 + A1: 2008
- EN 60204-1: 2006 + A1: 2009

  Safety of machinery – Electrical equipment of machines – Part 1: General requirements

  (Test results are detailed in SII Test Report No.: 9812302524.)

- ANNEX I of Machinery Directive 2006/42/EC

  Essential Health and Safety Requirements Relating to the Design and Construction of Machinery
  (in accordance with EN ISO 12100: 2010 - *Safety of Machinery - General Principles for Design – Risk Assessment and Risk Reduction)*

  (Test results are detailed in SII Test Report No.: 9812302525.)

Certificate No.: 9812302524

Date of issue: 21/06/2018

Vladimir Chernikh
Senior Safety Compliance Engineer
Electrical Safety Branch
Electrical and Electronics Laboratory

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CASfire
中科易朔 测试 / 改善 / 保证

TEST REPORT

Test to:	GB 18585-2001 Indoor decorating and refurbishing materials - Limit of harmful substances of wallpapers
Prepared for:	DG DIMENSE Baltosios Vokes str.37, LT-02243 Vinius, Lithuania.
Testing Type:	Entrusting
Test Report No.:	CF240251001ENV0 5 Pages
Issue Date:	Mar. 15, 2024

CASfire Technical Co.,Ltd
中科易朔（厦门）质量技术服务有限公司
Testing, Improving, Assuring

Checked by

Name:	Anna Chen	Signature:	

Approved by

Name:	Cricket Liu	Signature:	
Date:	Mar. 15, 2024		

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The report is the English Version of Test Report No.CF240251001CNV0.

SUMMARY

Test Requested	GB 18585-2001 “Indoor decorating and refurbishing materials - Limit of harmful substances of wallpapers”.
Sample Description	Sample Name: Dimense wallpaper; Composition: PVC-free polyolefin-based media with nonwoven backing; Color: Multicolor; End Use: Wall coverings; The specimens were received on Feb.20, 2024; *The specimens were supplied and identified by the sponsor of the test, CASfire was not involved in any selection or sampling procedure.*
Prepared for	DG DIMENSE Baltosios Vokes str.37, LT-02243 Vinius, Lithuania.

Test Results

Reference Method	No.	Test Item	Result
GB 18585-2001	1	Heavy metals or other elements	Meet the requirement
	2	Vinyl chloride monomer (VCM)	Meet the requirement
	3	Formaldehyde	Meet the requirement

Requirement

Table 1 The limit of harmful substances of wallpapers

In mg/kg

Harmful substances		Limit value
Heavy metals or other elements	Barium	≤1000
	Cadmium	≤25
	Chromium	≤60
	Lead	≤90
	Arsenic	≤8
	Mercury	≤20
	Selenium	≤165
	Antimony	≤20
Vinyl chloride monomer		≤1.0
Formaldehyde		≤120

Test Date Feb.21, 2024 to Mar.4, 2024

TEST DETAILS

Test Methods

GB 18585-2001 “Indoor decorating and refurbishing materials - Limit of harmful substances of wallpapers”.

Sample appearance

Off-white sheet with colour printing.

Details of the test

Heavy metals or other elements:

Test Item	MDL(mg/kg)	Results
Lead(Pb)	5	ND
Antimony(Sb)	5	ND
Arsenic(As)	5	ND
Barium(Ba)	10	ND
Cadmium(Cd)	5	ND
Chromium(Cr)	5	ND
Mercury(Hg)	5	ND
Selenium(Se)	10	ND

Vinyl chloride monomer (VCM):

Test Item	MDL(mg/kg)	Result
Vinyl chloride monomer	0.1	ND

Formaldehyde:

Test Item	MDL(mg/kg)	Result
Formaldehyde	20	ND

Note：

1. 1mg/kg=1ppm=0.0001%;
2. MDL=Method Detection Limits;
3. ND-Not detected(＜MDL).

SAMPLE PHOTO

***** End of Report *****

CASfire
中科易朔 测试 / 改善 / 保证

检测报告

检测依据：	GB 18585-2001 室内装饰装修材料 壁纸中有害物质限量
委托单位：	DG DIMENSE Baltosios Vokes str.37, LT-02243 Vinius, Lithuania.
检测类别：	委托检测
报告编号：	CF240251001CNV0 共 5 页
报告日期：	2024-3-15

CASfire Technical Co.,Ltd
中科易朔（厦门）质量技术服务有限公司
Testing, Improving, Assuring

审核

姓名：	陈心茹	签名：	陈心茹

批准

姓名：	刘子腾	签名：	
日期：	2024-3-15		

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概述

检测依据： GB 18585-2001“室内装饰装修材料 壁纸中有害物质限量”。

样品描述： 样品名称：Dimense Wallpaper；
成分：无纺背衬无 PVC 聚烯烃基介质；
颜色：彩色；
使用用途：墙纸；
样品接收日期：2024 年 2 月 20 日；
检测试样和信息由委托单位提供，中科易朔没有涉及任何的选样和取样程序。

委托单位： DG DIMENSE
Baltosios Vokes str.37, LT-02243 Vinius, Lithuania.

检测结果：

依据方法	序号	检测项目	结果
GB 18585-2001	1	重金属(或其他)元素	符合要求
	2	氯乙烯单体(VCM)	符合要求
	3	甲醛	符合要求

要求：

表 1 壁纸中的有害物质限量值

单位为毫克每千克

有害物质名称		限量值
重金属(或其他)元素	钡	≤1000
	镉	≤25
	铬	≤60
	铅	≤90
	砷	≤8
	汞	≤20
	硒	≤165
	锑	≤20
氯乙烯单体		≤1.0
甲醛		≤120

检测时间： 2024 年 2 月 21 日至 2024 年 3 月 4 日

检测详情

检测方法： GB 18585-2001“室内装饰装修材料 壁纸中有害物质限量”。

样品外观： 带彩色印刷的米白色片

检测细节： 重金属(或其他)元素：

检测项目	MDL(mg/kg)	结果
可溶性铅(Pb)	5	ND
可溶性锑(Sb)	5	ND
可溶性砷(As)	5	ND
可溶性钡(Ba)	10	ND
可溶性镉(Cd)	5	ND
可溶性铬(Cr)	5	ND
可溶性汞(Hg)	5	ND
可溶性硒(Se)	10	ND

氯乙烯单体 (VCM)：

检测项目	MDL(mg/kg)	结果
氯乙烯单体	0.1	ND

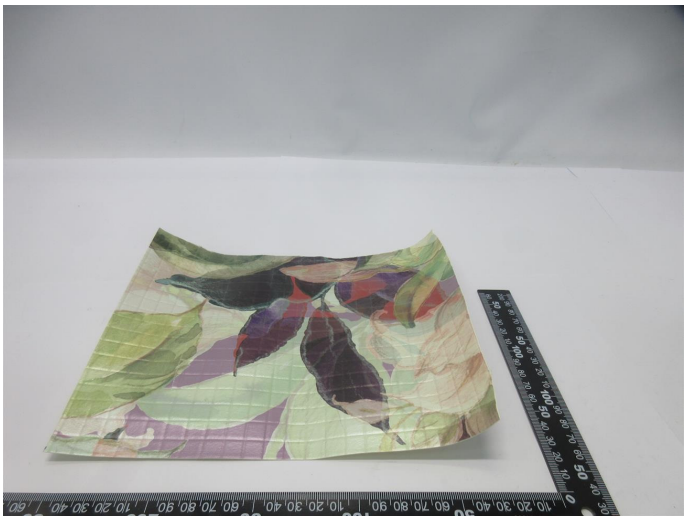
甲醛：

检测项目	MDL(mg/kg)	结果
甲醛	20	ND

备注：

1. 1mg/kg=1ppm=0.0001%；
2. MDL=方法检测限；
3. ND-未检出(＜MDL)。

样品照片



***** 报告结束 *****

191301060302

中国认可
国际互认
检测
TESTING
CNAS L13442

CASfire
中科易朔 测试 / 改善 / 保证

TEST REPORT

Test to:	GB 8624-2012 Classification for burning behavior of building materials and products
Prepared for:	DG DIMENSE Baltosios Vokes str.37, LT-02243 Vinius, Lithuania.
Testing Type:	Entrusting
Test Report No.:	CF240200686ENV0 10 Pages
Issue Date:	Mar. 15, 2024

CASfire Technical Co.,Ltd
中科易朔（厦门）质量技术服务有限公司

Testing, Improving, Assuring

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SUMMARY

Test Requested

To determine the fire behavior of the test sample when it is tested in accordance with the requirement of GB 8624-2012 "Classification for burning behavior of building materials and products" Clause 5.1.1 "Flat building materials" Class B_1/B_2 and Annex B "Additional information and identification for classes of reaction to burning performance".

Test method as below:
1. GB/T 20284-2006 "Single burning item test for building materials and products".
2. GB/T 8626-2007 "Test method of flammability for building materials".
3. GB/T 20285-2006 "Toxic classification of fire effluents hazard for materials".

Sample Description

Sample Name: Dimense wallpaper;
Type No.: PVC-free polyolefin-based media with nonwoven backing;
Color: Multicolor;
End Use: Wall coverings;
The specimens were received on Feb.20, 2024;
The specimens were supplied and identified by the sponsor of the test, CASfire was not involved in any selection or sampling procedure.

Prepared for

DG DIMENSE
Baltosios Vokes str.37, LT-02243 Vinius, Lithuania.

Conclusion

The results of these tests show that the samples listed above as described in this report, when tested and classified in accordance with GB 8624-2012, meet:

B_1 (B-s1, d0, t0)

Statement: The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

Test Results

Class	Test Standards	Test Item	Result
B_1(B)	GB/T 20284-2006	Fire growth rate index $FIGRA_{0.2MJ}$	6W/s
		Fire growth rate index $FIGRA_{0.4MJ}$	6W/s
		Total heat release within 600s THR_{600s}	0.9MJ
		No lateral flame spread (LFS) to the edge of the long wing	Compliant
	GB/T 8626-2007	Flame spread within 60s Fs ≤150	Compliant
		No flaming droplets caused ignition of the filter paper within 60s	Compliant
s1	GB/T 20284-2006	Smoke growth rate SMOGRA	$0m^2/s^2$
		Total smoke production within 600s TSP_{600s}	$11m^2$
d0	GB/T 20284-2006	No flaming droplets/particles within 600s	Compliant
t0	GB/T 20285-2006	Class ZA_1	Compliant

Test Date

Feb.22, 2024 to Mar.1, 2024

Classification Criteria

Clause 5.1.1 Flat building materials

Table 2 Classes of reaction to fire performance and classification criteria for flat building materials and products

Class		Test Method	Classification Criteria
B_1	B	GB/T 20284	Fire growth rate index $FIGRA_{0.2MJ}$≤120W/s
			No lateral flame spread (LFS) to the edge of the long wing
			Total heat release within 600s THR_{600s}≤7.5MJ
		GB/T 8626 Exposure=30s	Flame spread within 60s Fs≤150mm
			No flaming droplets caused ignition of the filter paper within 60s
	C	GB/T 20284	Fire growth rate index $FIGRA_{0.4MJ}$≤250W/s
			No lateral flame spread (LFS) to the edge of the long wing
			Total heat release within 600s THR_{600s}≤15MJ
		GB/T 8626 Exposure=30s	Flame spread within 60s Fs≤150mm
			No flaming droplets caused ignition of the filter paper within 60s
B_2	D	GB/T 20284	Fire growth rate index $FIGRA_{0.4MJ}$≤750W/s
		GB/T 8626 Exposure=30s	Flame spread within 60s Fs≤150mm
			No flaming droplets caused ignition of the filter paper within 60s
	E	GB/T 8626 Exposure=15s	Flame spread within 20s Fs≤150mm
			No flaming droplets caused ignition of the filter paper within 20s
B_3	F	No performance determined	

Annex B Additional information and identification for classes of reaction to burning performance

Table B.1 Classes and classification criteria of smoke production

Class	Test Method	Classification Criteria
s1	GB/T 20284	Smoke growth rate SMOGRA≤30m^2/s^2
		Total smoke production within 600s TSP_{600s}≤50m^2
s2		Smoke growth rate SMOGRA≤180m^2/s^2
		Total smoke production within 600s TSP_{600s}≤200m^2
s3		Not s2

Table B.2 Classes and classification criteria of flaming droplets/particles

Class	Test Method	Classification Criteria
d0	GB/T 20284	No flaming droplets/particles within 600s
d1		No flaming droplets/particles persisting longer than 10s within 600s
d2		Not d1

Table B.3 Classes and classification criteria of smoke toxicity

Class	Test Method	Classification Criteria
t0	GB/T 20285	Class ZA_1
t1		Class ZA_3
t2		Not Class ZA_3

TEST DETAILS 01

Test Methods

GB/T 20284-2006 “Single burning item test for building materials and products”.

Conditioning of specimens

Prior to testing, the specimens were conditioned at a temperature of (23±2)°C and a relative humidity of (50±5)% for 88h.

Details of the test

Sample detail:

Size	Long wing:1500mmx1000mm，Short wing:1500mmx500mm
Thickness	About 0.7mm
Number	3 Sets
Substrate	Calcium silicate board with a density of 900kg/m^3 and a thickness of 12mm.
Method of fixing	The specimens were glued to the substrate using the adhesive.
Adhesive	Product name: Glutolin K10, Mixing ratio=1:8, Coating ratio: 200g/m^2

Test results:

Sample set No.	1	2	3	AVE
Fire growth rate index $FIGRA_{0.2MJ}$/(W/s)	5	0	13	6
Fire growth rate index $FIGRA_{0.4MJ}$/(W/s)	5	0	13	6
No lateral flame spread (LFS) to the edge of the long wing	Compliant	Compliant	Compliant	-
Total heat release within 600s THR_{600s}/MJ	0.9	0.7	1.2	0.9
Smoke growth rate SMOGRA/(m^2/s^2)	0	0	0	0
Total smoke production within 600s TSP_{600s}/m^2	7	16	10	11
No flaming droplets/particles within 600s	Compliant	Compliant	Compliant	-

Note:
The single burning item test items were carried out by Guangzhou Building Material Research Institute Co.,Ltd (CNAS L0057, 201819121130).

TEST DETAILS 02

Test Methods GB/T 8626-2007 “Test method of flammability for building materials”.

Conditioning of specimens Prior to testing, the specimens were conditioned at a temperature of (23±2)°C and a relative humidity of (50±5)% for 48h.

Details of the test

Sample detail:

Size	250mm×90mm
Thickness	About 0.7mm
Number	12PCS
Substrate	Calcium silicate board with a density of 900kg/m^3 and a thickness of 12mm.
Method of fixing	The specimens were glued to the substrate using the adhesive.
Adhesive	Product name: Glutolin K10, Mixing ratio=1:8, Coating ratio: 200g/m^2

Exposure = 30s.

Edge exposure:

Direction	Crosswise			Lengthwise		
Specimen No.	1	2	3	4	5	6
Whether ignition occurs	Yes	Yes	Yes	Yes	Yes	Yes
Flame Spread (F_s)≤150mm within 60s	Yes	Yes	Yes	Yes	Yes	Yes
Ignition of the filter paper	No	No	No	No	No	No
Observations made during the test	No special burning behaviour					

Surface exposure:

Direction	Crosswise			Lengthwise		
Specimen No.	1	2	3	4	5	6
Whether ignition occurs	Yes	Yes	Yes	Yes	Yes	Yes
Flame Spread (F_s)≤150mm within 60s	Yes	Yes	Yes	Yes	Yes	Yes
Ignition of the filter paper	No	No	No	No	No	No
Observations made during the test	No special burning behaviour					

TEST DETAILS 03

Test Methods: GB/T 20285-2006 “Toxic classification of fire effluents hazard for materials”.

Conditioning of specimens: Prior to testing, the specimens were conditioned at a temperature of (23±2)°C and a relative humidity of (50±5)% for 118h.

Details of the test: Sample detail:

Size	During the test, the sample was made into strip sample with a length of 390mm
Thickness	About 0.7mm
Mass	200g
Concentration of the specimen mass for smoke	50.0mg/L
Yield of smoke from material	30.8%

Observation during the testing:

At 3 min after the test, the respiration of some mice began to change. At 5 minutes after the test, some mice closed their eyes. And at 21 minutes after the test, all mice could not run. The test mice did not die within 30 minutes of exposure and within 1 hour after exposure. All mice were slow after exposure. During 3 days after the test, average weight of testing mice were heavier than the weight before test.

The weight change of mice are shown as the following table, in g:

No.	1	2	3	4	5	6	7	8	AVE
Weight: 2 days of before the test	18.5	18.6	18.5	18.4	18.3	18.5	18.4	18.6	18.5
Weight: before the test	20.9	21.0	20.8	20.8	20.7	20.9	20.7	20.9	20.8
Weight: 1 day after exposure	20.7	20.9	20.7	20.7	20.5	20.7	20.6	20.8	20.7
Weight: 2 days after exposure	20.8	21.2	20.9	20.9	20.6	20.9	20.9	21.0	20.9
Weight: 3 days after exposure	21.5	22.0	21.8	21.9	21.3	21.8	21.9	21.9	21.8

Determination of smoke toxicity:

All mice were slow after exposure. Three days after the test, average weight of testing mice were heavier than the weight before the test. The smoke toxicity which mainly showed as pungent, anesthetic and pungent meet the requirement.

Classification: Class AQ_2.

Note:
The toxic classification items were carried out by Guangzhou Building Material Research Institute Co.,Ltd (CNAS L0057, 201819121130).

SAMPLE PHOTO

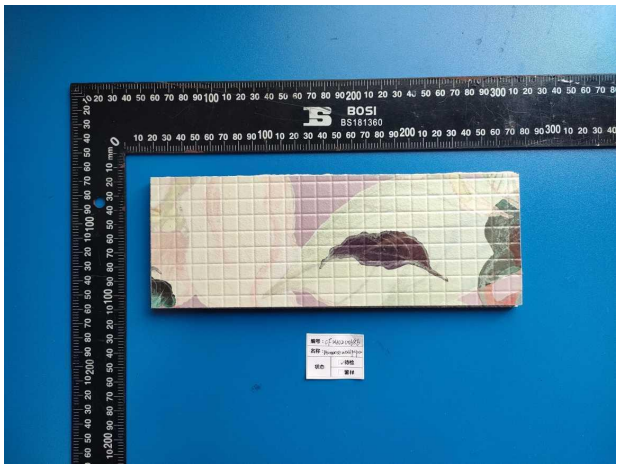
Long wing

Short wing

Before testing

After testing

GB/T 20284 Single burning item test



Before testing

After testing

GB/T 8626 Flammability test

GB/T 20285 Toxic gas test

***** End of Report *****

191301060302

中国认可
国际互认
检测
TESTING
CNAS L13442

CASfire
中科易朔 测试 / 改善 / 保证

检测报告

检测依据：	GB 8624-2012 建筑材料及制品燃烧性能分级
委托单位：	DG DIMENSE Baltosios Vokes str.37, LT-02243 Vinius, Lithuania.
检测类别：	委托检测
报告编号：	CF240200686CNV0 共 10 页
报告日期：	2024-3-15

CASfire Technical Co., Ltd
中科易朔（厦门）质量技术服务有限公司

Testing, Improving, Assuring

审核

姓名：	陈心茹	签名：	陈心茹

批准

姓名：	刘子腾	签名：	
日期：	2024-3-15		

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概述

检测依据：

按照 GB 8624-2012“建筑材料及制品燃烧性能分级”条款 5.1.1“平板状建筑材料”B_1/B_2 级和附录 B“燃烧性能等级的附加信息和标识”的要求对样品进行检测，并确认燃烧性能等级。

检测方法如下：

1. GB/T 20284-2006“建筑材料或制品的单体燃烧试验”。
2. GB/T 8626-2007“建筑材料可燃性试验方法”。
3. GB/T 20285-2006“材料产烟毒性危险分级”。

样品描述：

样品名称：Dimense wallpaper；
成分：无纺背衬无 PVC 聚烯烃基介质；
颜色：彩色；
使用用途：墙纸；
样品接收日期：2023 年 2 月 20 日；
检测试样和信息由委托单位提供，中科易朔没有涉及任何的选样和取样程序。

委托单位：

DG DIMENSE
Baltosios Vokes str.37, LT-02243 Vinius, Lithuania.

检测结论：

根据 GB 8624-2012 进行测试，上述样品的检测结果符合：

B_1 (B-s1, d0, t0)

声明：本试验结果只与制品的试样在特定试验条件下的性能相关，不能将其作为评价该制品在实际使用中潜在火灾危险性的唯一依据。

检测结果：

等级	试验方法	参数	检测结果
B_1(B)	GB/T 20284-2006	燃烧增长速率指数 $FIGRA_{0.2MJ}$	6W/s
		燃烧增长速率指数 $FIGRA_{0.4MJ}$	6W/s
		600s 的总放热量 THR_{600s}	0.9MJ
		火焰横向蔓延(LFS)未到达试样长翼边缘	符合
	GB/T 8626-2007	60s 内焰尖高度 Fs≤150mm	符合
		60s 内无燃烧滴落物引燃滤纸现象	符合
s1	GB/T 20284-2006	烟气生成速率指数 SMOGRA	$0m^2/s^2$
		试验 600s 总烟气生成量 TSP_{600s}	$11m^2$
d0	GB/T 20284-2006	600s 内无燃烧滴落物/微粒	符合
t0	GB/T 20285-2006	达到准安全一级 ZA_1	符合

检测时间：

2024 年 2 月 22 日至 2024 年 3 月 1 日

分级判据： 5.1.1 平板状建筑材料

表 2 平板状建筑材料及制品的燃烧性能等级和分级判据

等级		试验方法	分级判据
B_1	B	GB/T 20284	燃烧增长速率指数 $FIGRA_{0.2MJ}$≤120W/s
			火焰横向蔓延(LFS)未到达试样长翼边缘
			600s 的总放热量 THR_{600s}≤7.5MJ
		GB/T 8626 点火时间 30s	60s 内焰尖高度 Fs≤150mm
			60s 内无燃烧滴落物引燃滤纸现象
	C	GB/T 20284	燃烧增长速率指数 $FIGRA_{0.4MJ}$≤250W/s
			火焰横向蔓延(LFS)未到达试样长翼边缘
			600s 的总放热量 THR_{600s}≤15MJ
		GB/T 8626 点火时间 30s	60s 内焰尖高度 Fs≤150mm
			60s 内无燃烧滴落物引燃滤纸现象
B_2	D	GB/T 20284	燃烧增长速率指数 $FIGRA_{0.4MJ}$≤750W/s
		GB/T 8626 点火时间 30s	60s 内焰尖高度 Fs≤150mm
			60s 内无燃烧滴落物引燃滤纸现象
	E	GB/T 8626 点火时间 15s	20s 内焰尖高度 Fs≤150mm
			20s 内无燃烧滴落物引燃滤纸现象
B_3	F	无性能要求	

附录 B 燃烧性能等级的附加信息和标识

表 B.1 产烟特性等级和分级判据

等级	试验方法	分级判据
s1	GB/T 20284	烟气生成速率指数 SMOGRA≤30m^2/s^2
		试验 600s 总烟气生成量 TSP_{600s}≤50m^2
s2		烟气生成速率指数 SMOGRA≤180m^2/s^2
		试验 600s 总烟气生成量 TSP_{600s}≤200m^2
s3		未达到 s2

表 B.2 燃烧滴落物/微粒等级和分级判据

等级	试验方法	分级判据
d0	GB/T 20284	600s 内无燃烧滴落物/微粒
d1		600s 内燃烧滴落物/微粒，持续时间不超过 10s
d2		未达到 d1

表 B.3 烟气毒性等级和分级判据

等级	试验方法	分级判据
t0	GB/T 20285	达到准安全一级 ZA_1
t1		达到准安全三级 ZA_3
t2		未达到准安全三级 ZA_3

检测详情 01

检测方法： GB/T 20284-2006“建筑材料或制品的单体燃烧试验”。

样品调节： 检测前，样品在温度(23±2)℃和相对湿度(50±5)%RH 的条件下养护 88 小时。

检测细节： 样品详情：

尺寸	长翼：1500mmx1000mm，短翼：1500mmx500mm
厚度	约 0.7mm
数量	3 组
基材	基材为厚 12mm、密度 900kg/m^3 的硅酸钙板
安装方式	试样采用粘贴方式（胶黏剂）固定在基材上
胶黏剂	产品名称：Glutolin K10，胶黏剂:水=1:8，涂覆量：200g/m^2

检测结果：

试样组别	1	2	3	平均值
燃烧增长速率指数 $FIGRA_{0.2MJ}$/(W/s)	5	0	13	6
燃烧增长速率指数 $FIGRA_{0.4MJ}$/(W/s)	5	0	13	6
火焰横向蔓延(LFS)未到达试样长翼边缘	符合	符合	符合	-
600s 的总放热量 THR_{600s}/MJ	0.9	0.7	1.2	0.9
烟气生成速率指数 SMOGRA/(m^2/s^2)	0	0	0	0
试验 600s 总烟气生成量 TSP_{600s}/m^2	7	16	10	11
600s 内无燃烧滴落物/微粒	符合	符合	符合	-

备注：
本单体燃烧试验由广州市建筑材料工业研究所有限公司（CNAS L0057，201819121130）执行。

检测详情 02

检测方法： GB/T 8626-2007“建筑材料可燃性试验方法”。

样品调节： 检测前，样品放置在温度(23±2)℃和相对湿度(50±5)%RH 的条件下，直至达到恒重，持续时间：48 小时。

检测细节： 样品详情：

尺寸	250mm×90mm
厚度	约 0.7mm
数量	12 个
基材	基材为厚 12mm、密度 900kg/m^3 的硅酸钙板
安装方式	试样采用粘贴方式（胶黏剂）固定在基材上
胶黏剂	产品名称：Glutolin K10，胶黏剂:水=1:8，涂覆量：200g/m^2

点火时间= 30 s。

边缘点火：

方向	横向			纵向		
样品序号	1	2	3	4	5	6
是否点燃	是	是	是	是	是	是
60 秒内，火焰蔓延(Fs)≤150mm	是	是	是	是	是	是
是否引燃滤纸	否	否	否	否	否	否
试验期间的观察	无特殊燃烧现象					

表面点火：

方向	横向			纵向		
样品序号	1	2	3	4	5	6
是否点燃	是	是	是	是	是	是
60 秒内，火焰蔓延(Fs)≤150mm	是	是	是	是	是	是
是否引燃滤纸	否	否	否	否	否	否
试验期间的观察	无特殊燃烧现象					

检测详情 03

检测方法： GB/T 20285-2006“材料产烟毒性危险分级”。

样品调节： 检测前，样品放置在温度(23±2)℃和相对湿度(50±5)%RH 的条件下养护 118 小时。

检测细节： 样品详情：

尺寸	试验时将样品制成条形试样，长 390mm
厚度	约 0.7mm
质量	200g
产烟浓度	50.0mg/L
产烟率	30.8%

试验现象观察记录：

试验到 3min 时，有小鼠呼吸开始变化；5min 时，有小鼠闭目；21min 时，小鼠欲跑不能；试验小鼠 30min 染毒期内无死亡，染毒后 1h 内无死亡，染毒后行动迟缓，3 天内平均体重超过试验时的平均体重。

受试小老鼠体重变化如下表所示，单位：g：

编号	1	2	3	4	5	6	7	8	均值
试验前 2 天体重	18.5	18.6	18.5	18.4	18.3	18.5	18.4	18.6	18.5
试验时体重	20.9	21.0	20.8	20.8	20.7	20.9	20.7	20.9	20.8
染毒后第 1 天体重	20.7	20.9	20.7	20.7	20.5	20.7	20.6	20.8	20.7
染毒后第 2 天体重	20.8	21.2	20.9	20.9	20.6	20.9	20.9	21.0	20.9
染毒后第 3 天体重	21.5	22.0	21.8	21.9	21.3	21.8	21.9	21.9	21.8

烟气毒性伤害性质判定：

小鼠染毒后行动迟缓，小鼠平均体重在 3 天内超过试验时的平均体重。烟气毒性主要表现为刺激性，麻醉性和刺激性都合格。

级别：AQ_2。

备注：
本产烟毒性试验由广州市建筑材料工业研究所有限公司（CNAS L0057，201819121130）执行。

样品照片

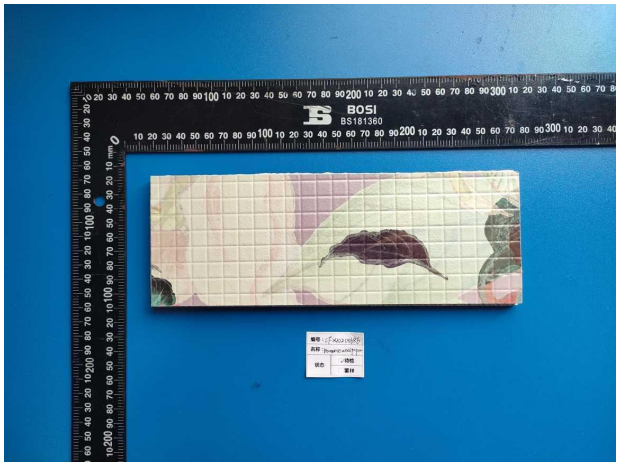
长翼

短翼

测试前

测试后

GB/T 20284 单体燃烧试验



测试前

测试后

GB/T 8626 可燃性试验

GB/T 20285 产烟毒性试验

***** 报告结束 *****

CLASSIFICATION OF REACTION TO FIRE ACCORDANCE WITH EN 13501-1:2018

1. Introduction

This classification report defines the classification assigned to Dimense Wallpaper in accordance with the procedures in EN 13501-1:2018.

Sponsor:	DG Dimense Baltosios Vokes Str. 37 LT-02243 Vilnius Lithuania
Prepared by:	SYCHTA LABORATORIUM Sp. J. Laboratorium Badań Palności Materiałów ul. Ofiar Stutthofu 90 72-010 Police, Poland
Notified Body No:	-
Product name:	Dimense Wallpaper
Classification report No:	SL/Z-241/EN13501/0220a/2024
Date of issue:	29.03.2024

This classification report consists of four pages and may only be used or reproduced in its entirety.

2. Details of classified product

2.1. General

The product, Dimense Wallpaper.

2.2. Product description

The product, Dimense Wallpaper, is described below or is described in the reports provided in support of classification listed in 3.1

Dimense Wallpaper is polyolefin-based compound with mineral fillers and with cellulose-based backing. Digital 3D wallpaper produced on Ecodeco PVC-free, polyolefin based media with a non-woven backing. Color: multicolor, Thickness: 0,7-1,0 mm, Weight per unit area: ~300 g/m²

3. Reports and results in suport of this classification

3.1. Specific conditions

-

3.2. Reports

Name of Laboratory	Name of sponsor	Report ref. No.	Test method and date Field of application rules and date
Sychta Laboratorium	DG Dimense	SL/Z-241/EN13823/0219a/2024	PN-EN ISO 13823 PN-EN ISO 11925-2 25.03 and 28.03.2024

3.3. Results

Test method and test number	Parameter	No. Tests [a]	Results	
			Continuous parameter - mean (m)	Compliance with parameters
PN-EN 13823	$FIGRA_{0,2}$, $W \cdot s^{-1}$	3	46	(-)
	THR_{600s}, MJ		2,2	(-)
	LFS < edge		(-)	Compliant
	SMOGRA, $m^2 \cdot s^{-2}$		0	(-)
	TSP600s, m^2		1	(-)
	Flaming particles or droplets, time s		(-)	Compliant
PN-EN ISO 11925-2 Exposure time 30 s	Flame spread > 150 mm in 60 s, mm	6	(-)	Compliant
	Ignition of paper		(-)	Compliant

[a] Not for extended application, (-): not applicable

4. Classification and field of application

4.1. Reference of classification

This classification has been carried out in accordance with EN 13501-1:2018.

4.2. Classification

The product, Dimense Wallpaper, in relations to its reaction to fire behaviour is classified:

B

The additional classification in relations to smoke production is:

s1

The additional classification in relations to flaming droplets / particles is:

d0

The format of the reaction to fire classification for construction products excluding floorings products is:

Fire behaviour		Smoke production			Flaming droplets	
B	**-**	**s**	**1**	**,**	**d**	**0**

Reaction to fire classification: B-s1,d0

4.3. Field of application

This classification is valid for the following product parameters:

- Digital 3D wallpaper produced on Ecodeco PVC-free, polyolefin based media with a non-woven backing
- Total thickness of 0,7-1,0 mm
- Weight per unit area: ~300 g/m².

The classification is valid for the following end use applications:

- material glued to mineral substrates of class A1 or A2-s1, d0.

5. Limitations

This classification document does not represent type approval or certification of the product.

Signature of person undertaking classification:

dr inż. Krzysztof Sychta

SYCHTA LABORATORIUM Sp. J.
72-010 Police, ul. Ofiar Stutthofu 90
tel./fax +48 91 4210 214, tel. 502078859
e-mail: biuro@sychta.eu www:sychta.eu
KRS 0000387681 REGON 321023120
NIP 8513152392

Signature of person authorising report:

KIEROWNIK LABORATORIUM

dr hab. inż. Zygmunt Sychta

SYCHTA LABORATORIUM Sp. J.
Laboratorium Badań Palności Materiałów
ul. Ofiar Stutthofu 90
72-010 Police

AB 1501

TEST REPORT

Order no: G.PIVORIUNAS_14.03.2024 Signature: SL/Z-241/EN13823/0219a/2024 Police, 29.03.2024

Test methods:

1. EN 13823:2020 + A1:2022. Reaction to fire tests of building products – Building products excluding floorings exposed to the thermal attack by a single burning item.
2. EN ISO 11925-2:2020. Reaction to fire tests – Ignitability of products subjected do direct impingement of flame – Part 2: Single-flame source test.

Content of request: Tests according to EN 13501-1:2018.

Sponsor: DG Dimense
Baltosios Vokes Str. 37
LT-02243 Vilnius
Lithuania

Material: Dimense Wallpaper

Composition: Dimense Wallpaper is polyolefin-based compound with mineral fillers and with cellulose-based backing.
Digital 3D wallpaper produced on Ecodeco PVC-free, polyolefin based media with a non-woven backing.
Color: multicolor, Thickness: 0,7-1,0 mm, Weight per unit area: ~300 g/m^2

Manufacturer/supplier: DG Dimense
Baltosios Vokes Str. 37
LT-02243 Vilnius
Lithuania

Assessment: The tested product fulfils the requirements of **B-s1,d0** class according to EN 13501-1:2018.

The reprint and the copying: only with the agreement of DG Dimense

Without the written consent of the Sychta Laboratory the report can be copied only in one piece.

Report applies only to the sample tested and is not necessarily indicative of the qualities of apparently identical or similar products.

Content of test report: nine pages with signature and numbers.

1. Reaction to fire tests of building products according to EN 13823

1.1. Heat release rate

Name of measured quantity	Unit	Specimen			Average	Standard deviation
		1	2	3		
Duration of the test	s	1560	1560	1560	1560	0
Maximum heat release rate	kW	9,0	7,3	10,1	8,8	1,4
Total heat release THR	MJ	2,8	2,7	3,9	3,1	0,7
Total heat release in the first 600 s – THR_{600s}	MJ	2,0	2,0	2,5	2,2	0,3
Fire growth rate index $FIGRA_{0,2MJ}$	$W \cdot s^{-1}$	48	35	54	46	10
Fire growth rate index $FIGRA_{0,4MJ}$	$W \cdot s^{-1}$	48	32	54	45	11

Remarks: none.

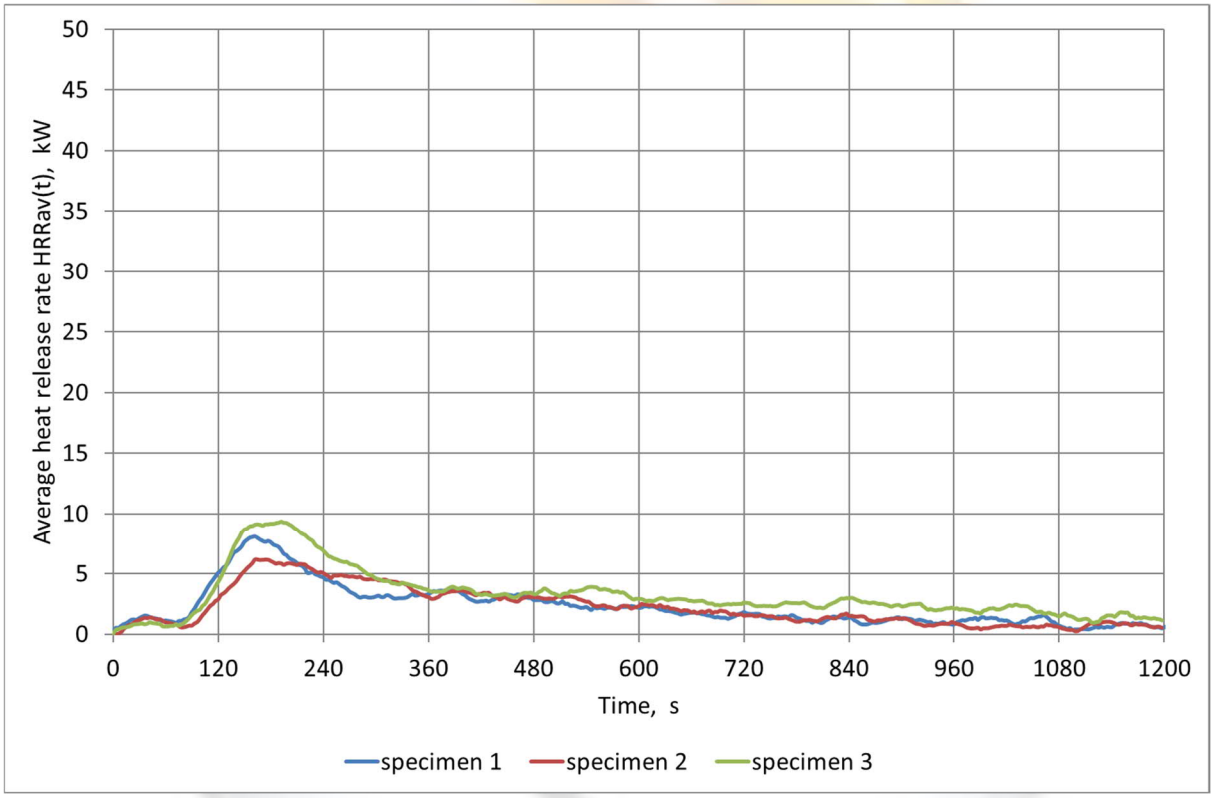


Figure 1.1. Average heat release rate $HRR_{av}(t)$, kW

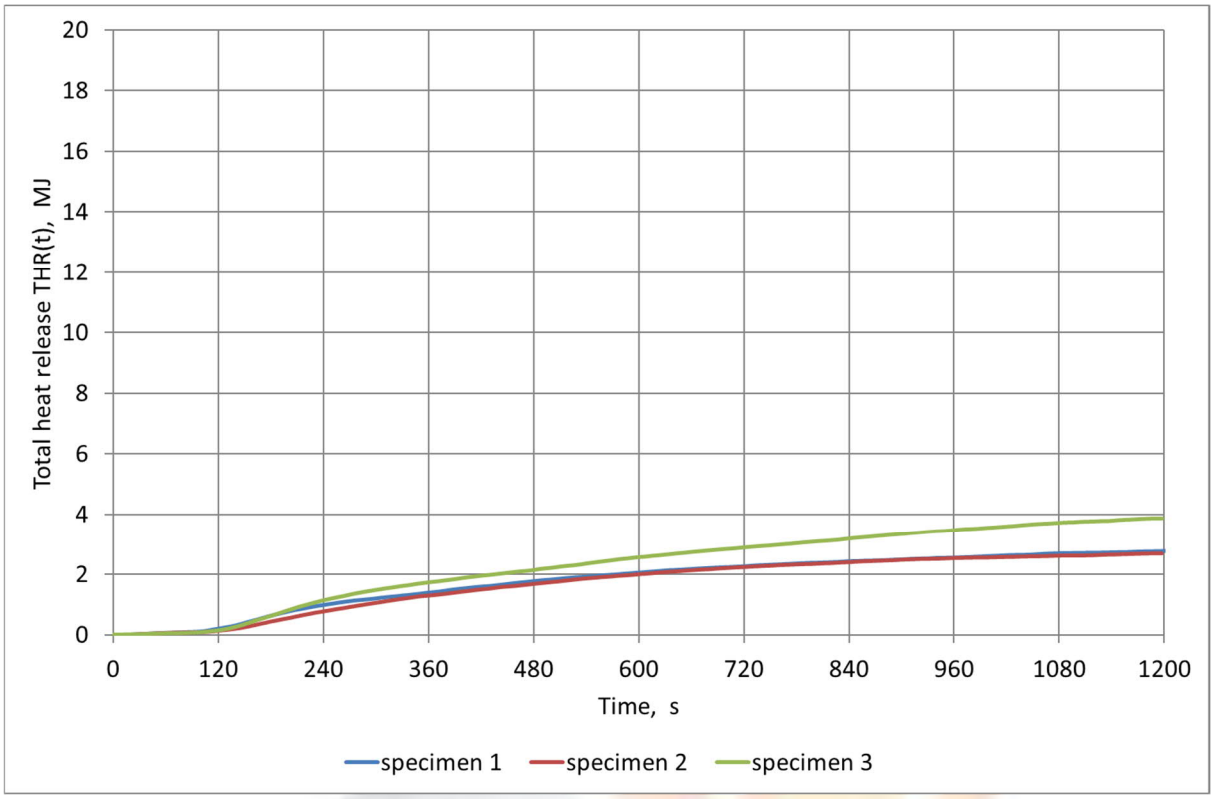


Figure 1.2. Total heat release THR(t), MJ

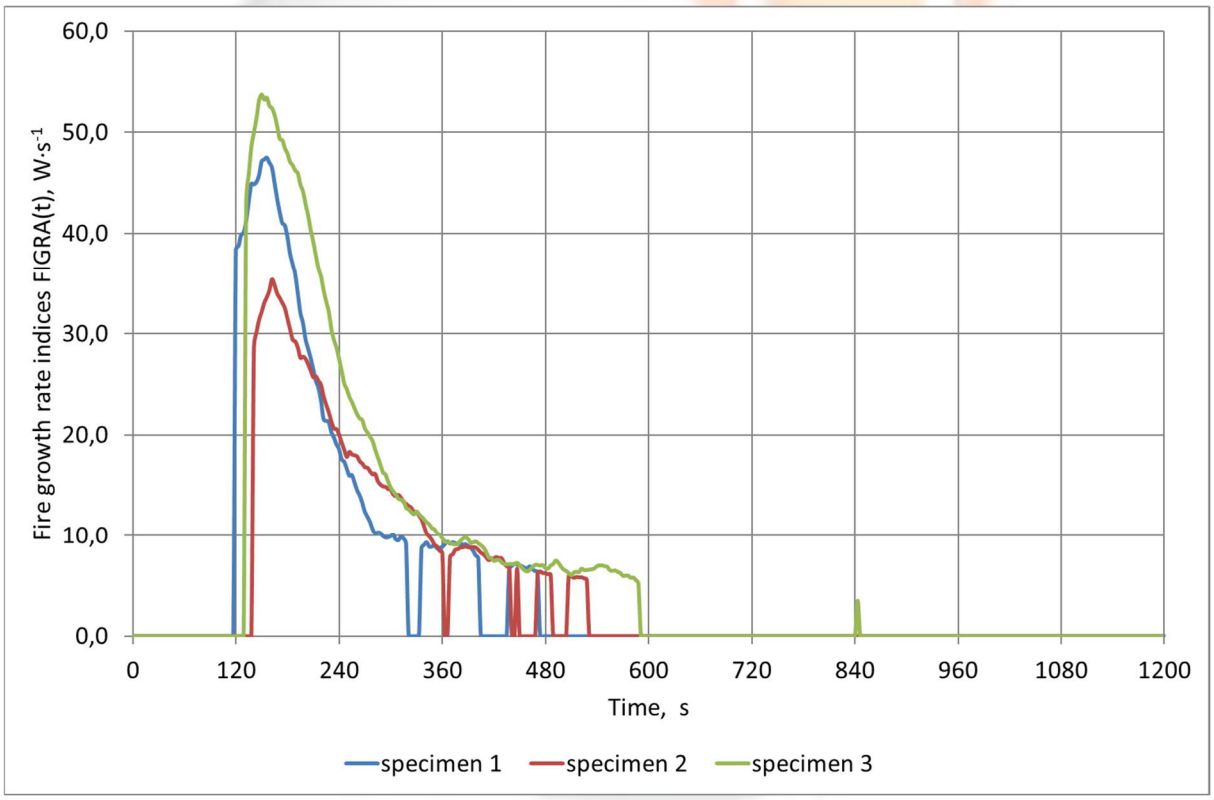


Figure 1.3. Fire growth rate index FIGRA(t), $W \cdot s^{-1}$

1.2. Smoke production rate

Name of measured quantity	Unit	Specimen			Average	Standard deviation
		1	2	3		
Maximum light attenuation	%	1,1	1,2	1,3	1,2	0,1
Max. smoke production rate SPR	$m^2 \cdot s^{-1}$	0	0	0	0	0
Total smoke production - TSP	m^2	1	3	6	3	3
Total smoke production in the first 600 s - TSP_{600s}	m^2	0	1	2	1	1
Smoke growth rate index SMOGRA	$m^2 \cdot s^{-2}$	0	0	0	0	0

Remarks: none.

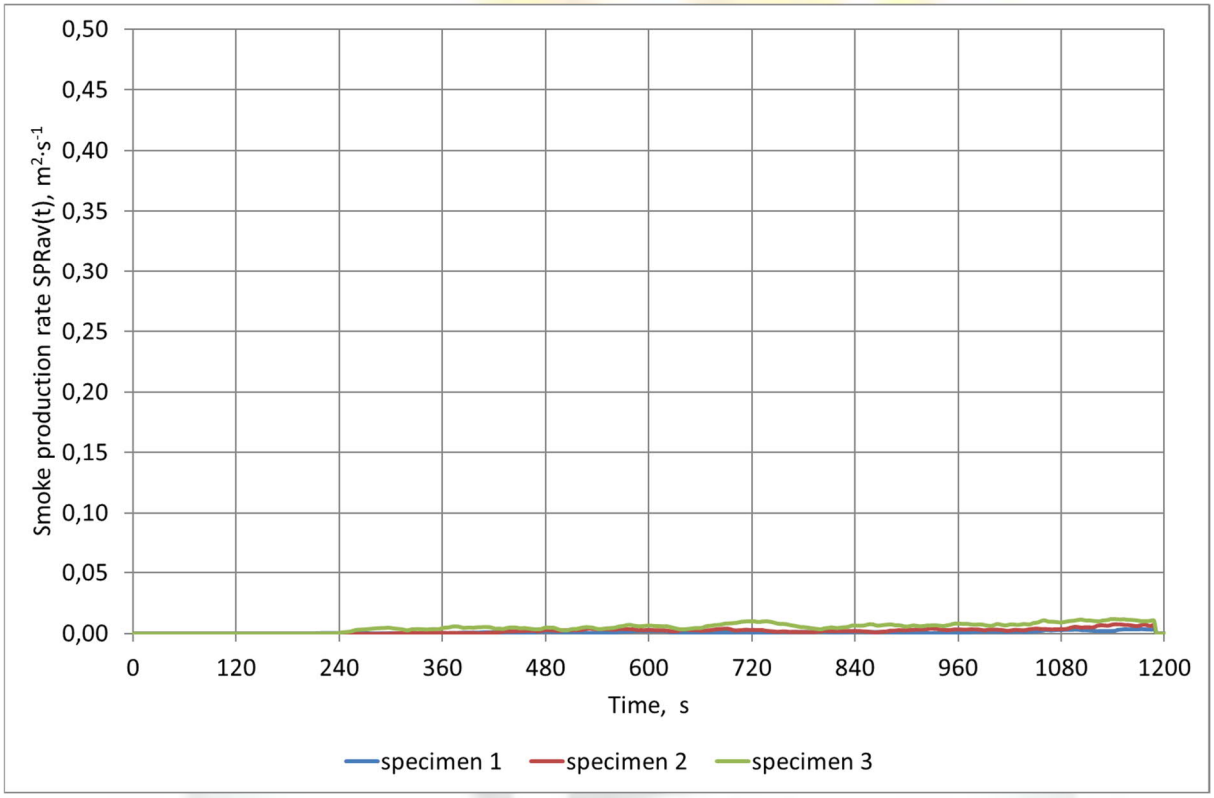


Figure 1.4. Smoke production rate $SPR_{av}(t)$, $m^2 \cdot s^{-1}$

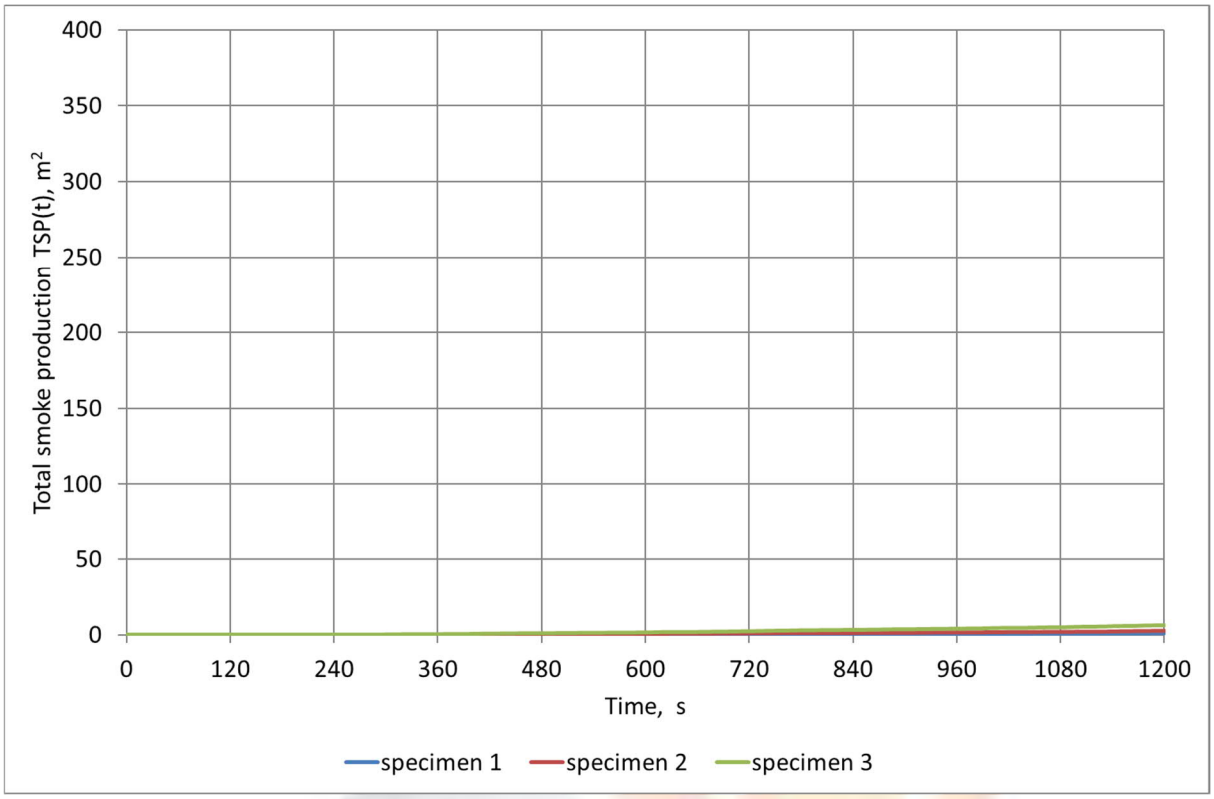


Figure 1.5. Total smoke production TSP(t), m^2

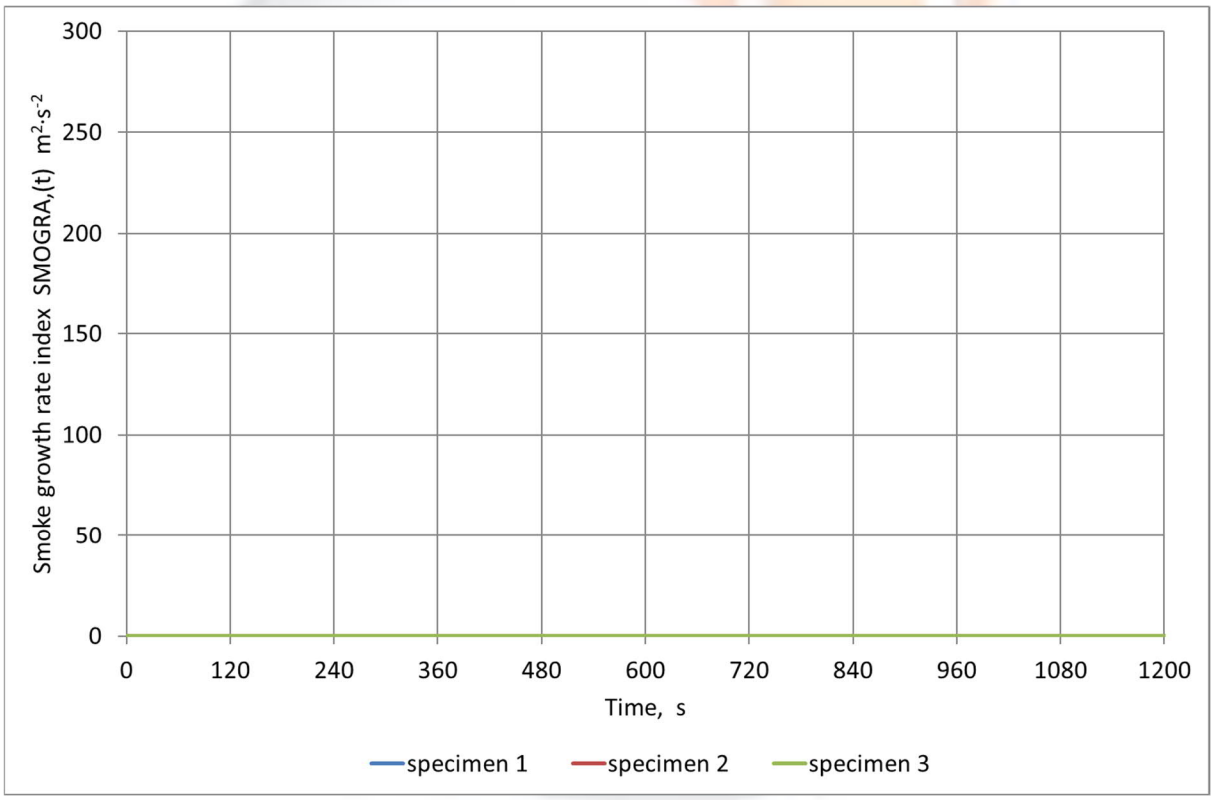


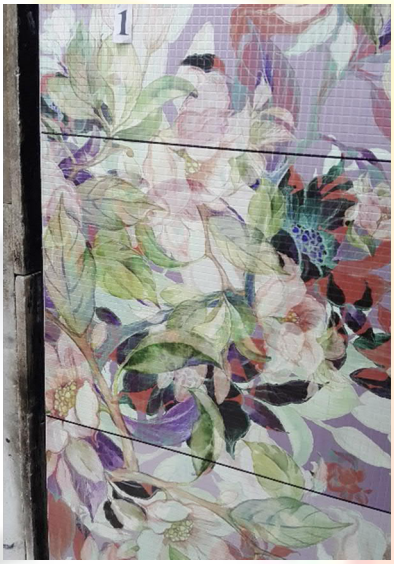
Figure 1.6. Smoke growth rate index SMOGRA(t), $m^2 \cdot s^{-2}$

1.3. Lateral flame spread on the long specimen wing and laming particles or droplets

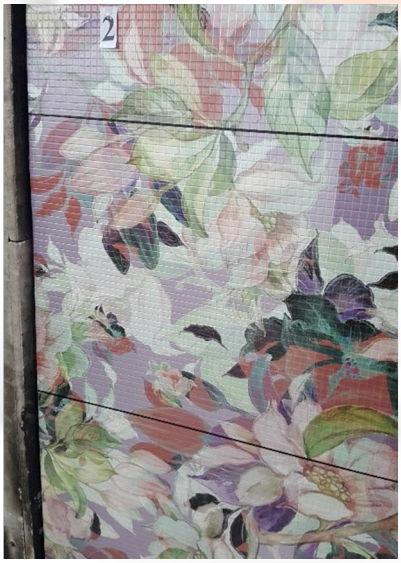
Name of measured quantity	Unit	Specimen		
		1	2	3
Lateral flame spread on the long specimen wing LFS < edge	YES/NO	YES	YES	YES
Flaming particles or droplets	YES/NO time, s	NO	NO	NO

1.4. Appearance of the specimen

Specimen 1



Specimen 2



Specimen 3

2. Ignitability of products subjected do direct impingement of flame according to EN ISO 11925-2

2.1. Surface ignition

Exposure time of pilot burner flame - 60 s

Name of measured quantity	Unit	Specimen no./Test direction						Final result
		lenght direction			cross direction			
		1	2	3	4	5	6	
Ignition of specimen	YES/NO	NO	NO	NO	-	-	-	
Ignition of paper	YES/NO	NO	NO	NO	-	-	-	
Flame spread > 150 mm	YES/NO	NO	NO	NO	-	-	-	
Time of arrival of the flame front 150 mm	s	-	-	-	-	-	-	-

2.2. Edge ignition

Exposure time of pilot burner flame - 60 s

Name of measured quantity	Unit	Specimen no./Test direction						Final result
		lenght direction			lenght direction			
		1	2	3	4	5	6	
Ignition of specimen	YES/NO	NO	NO	NO	-	-	-	
Ignition of paper	YES/NO	NO	NO	NO	-	-	-	
Flame spread > 150 mm	YES/NO	NO	NO	NO	-	-	-	
Time of arrival of the flame front 150 mm	s	-	-	-	-	-	-	-

Remarks: none.

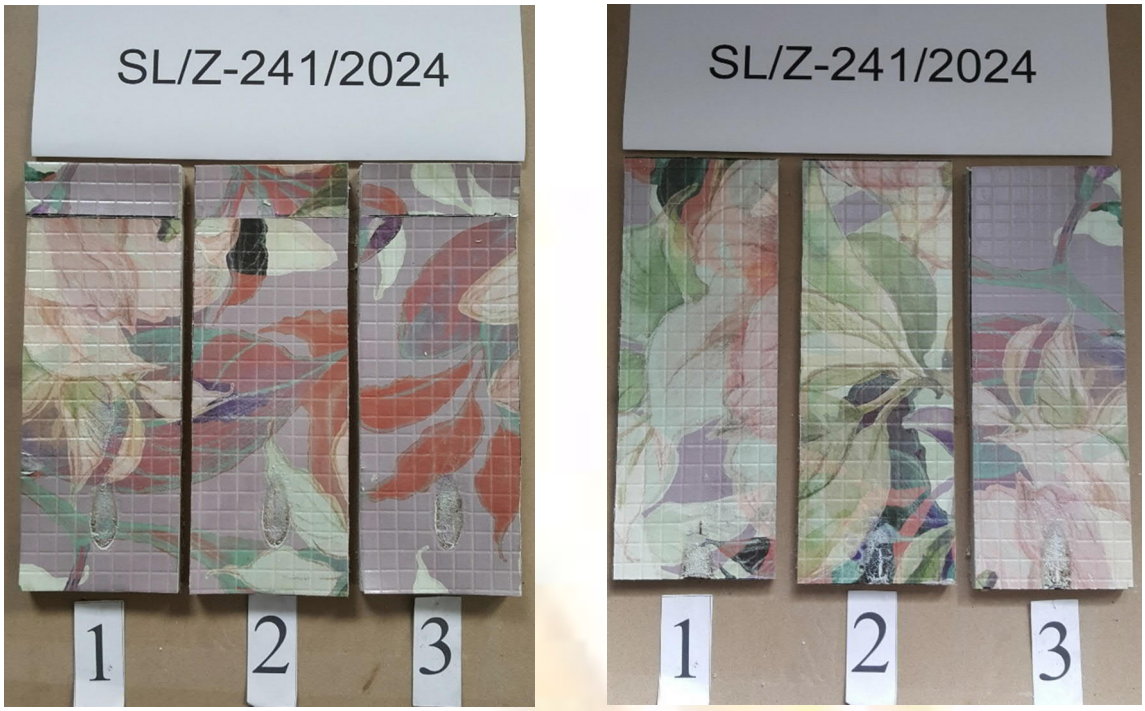


Fig. 2. Appearance of the specimens after the test

3. Final findings

Test method	Parameter/Unit	Measured value	Critical value	Classification
PN-EN 13823	$FIGRA_{0,2}$, W/s	46	≤ 120	**B**
	THR_{600s}, MJ	2,2	≤ 7,5	
	LFS < edge	YES	YES	
	SMOGRA, $m^2 \cdot s^{-2}$	0	≤ 30	**s1**
	TSP600s, m^2	1	≤ 50	
	Flaming particles or droplets, time s	NO	NO	**d0**
PN-EN ISO 11925-2 Exposure time 30 s	Flame spread > 150 mm in 60 s, mm	≤ 150	≤ 150	-
	Ignition of paper	no	no	no d2

The tested product meets the requirements of **B-s1,d0** class according to EN 13501-1:2018

4. Remaining required information with norm

Date of receipt of samples: 18.03.2024

***Sampling*:** sponsor took and delivered samples.

***Description of the samples*:** Wallpaper marked as: „M25.3 P227-01-03" with floral pattern and grid embossing with a white non-woven backing, with a total thickness of 0,7-1,0 mm and weight per unit area: ~300 g/m². Sponsor delivered one roll of 1600 mm wide material and glue "GLUTOLIN L10". Laboratory prepared samples for testing.

Conditioning of specimens: constant mass at a temperature of 23±2 °C, and relative humidity of 50±5 %.

Description of the substrate and fixing to the substrate: tested samples glued to the standard substrate of classes A2-s1-d0 according PN-EN 13238:2011 section 5.3 (calcium silicate board with a density of 870±50 kg/m^3 and a thickness of 12 mm).

Declarations:

1. The test results relate to the behaviour of the test specimens under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the products in use.
2. The information provided on the first page of the report concerning the scope of research and identification of the tested object/objects were provided by the Sponsor.

Operator:

dr hab. Zygmunt Sychta

mgr inż. Andrzej Sychta

SYCHTA LABORATORIUM Sp. J.
72-010 Police, ul. Ofiar Stutthofu 90
tel./fax +48 91 4210 214, tel. 502078855
e-mail: biuro@sychta.eu www:sychta.eu
KRS 0000387681 REGON 321023120
NIP 8513152392

Authorised by:

KIEROWNIK TECHNICZNY
dr inż. Krzysztof Sychta

Date and place of test : 25.03 and 28.03.2024, Police

SGS

Tested For:	**Ingrida Ziaugraite**	**Phone:**	37062877282	**Received:**	1/29/2024
	UAB DG Dimense	**Fax:**		**Completed:**	2/15/2024
	Baltosios Vokes str, 37	**Mobile:**		**Code:**	A
	Vilnius, LT-02243	**PO#:**		**Test Report:**	3-54614-0-RV
	Lithuania	**Email:**	i.ziaugraite@dgdimense.com		

Key Test: ASTM E84 (Int Fin) 0

Client's Identification:

Product Description: Digital 3D Wallpaper Produced on Dimense Plus Plus PVC-Free Polyolefin Based Media with a Non-Woven Backing, painted with water based wall paint.

Test Category: Tunnel Test Specifier: BLDG(IBC): ASTM E 84: LE 2023c V 12/23 BG PC: ME BB /dv

TEST PERFORMED: ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials

REFERENCE: Comparable to: UL 723 - Standard for Test for Surface Burning Characteristics of Building Materials

APPROXIMATE THICKNESS OF SPECIMEN (as measured by SGS North America): 0.064"

SPECIMEN WEIGHT (to include substrate when applicable):

Prior to Conditioning:	92.2 lbs.
Stabilized Weight (taken twice within 24 hours):	91.2 lbs.

PRODUCT CATEGORY:

☐ Textile Type Product
☒ Vinyl Type Product
☐ Other than Textile Type or Vinyl Type Product:

BRIEF DESCRIPTION OF TEST: This test method is used to determine the relative burning behavior of a material under defined test conditions. The test is performed in a 25 ft. long tunnel/duct-like apparatus and is often referred to as the "tunnel test". The test contemplates a calibration where Red Oak burns to the 24 ft. mark in 5.5 minutes ± 15 seconds. During the actual test, a 24 ft. long x 23" wide specimen rests horizontally in a ceiling configuration inside the test chamber facing downward and toward two upward oriented burners. A furnace lid that rests in a water trough seals the chamber tight. A cement board placed on the backside of each specimen assembly protects the furnace lid during the test. The near face of the specimen is subjected to a 4.5 ft. flame insult of approximately 88 kW for ten minutes. The time and distance of the spread of flame along the length of the specimen and the smoke developed as read by the photometric system are all recorded. The Flame Spread and Smoke Developed are reported as an Index.

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SGS

Tested For:	**Ingrida Ziaugraite**	**Phone:**	37062877282	**Received:**	1/29/2024
	UAB DG Dimense	**Fax:**		**Completed:**	2/15/2024
	Baltosios Vokes str, 37	**Mobile:**		**Code:**	A
	Vilnius, LT-02243	**PO#:**		**Test Report:**	3-54614-0-RV
	Lithuania	**Email:**	i.ziaugraite@dgdimense.com		

Key Test: ASTM E84 (Int Fin) 0

SPECIMEN MOUNTING:

☐ Self-supporting: The test specimen was rigid enough to be self-supporting when placed into test position. No additional support was required.

☒ Adhered to IRC: The test specimen was bonded to ¼" Inorganic Reinforced Cement (IRC) boards.

☐ Adhered to Gypsum: The test specimen was adhered to 5/8" thick Type X gypsum board.

☐ Unadhered: The specimen was not adhered to any substrate. Instead, it was laid over a 2" hexagonal wire mesh screen and 1/4" rods.

☐ Other: _____

DISCUSSION: 3.2.1.1: Self-Supporting specimens, after being mounted on the ledges of the test furnace, are structurally capable of supporting their own weight prior to the test and during the test without the use of additional supports. Examples of self-supporting specimen behavior include the ability to do the following without the use of additional supporting elements:

(1) Prior to and during the test, the specimen stays in its position to such an extent that it does not interfere with the effect of the burner flame.
(2) During the test, the specimen does not interrupt the progression of the flame front along the specimen. A specimen may still be considered self-supporting if it sags during the test or if debris falls from the specimen as long as this behavior does not interfere with the progress of the flame front.

SPECIMEN LENGTH: The 24 ft. length was comprised of:

☐ Continuous unbroken 24 ft. length
☒ Sections:
- ☒ Three 8 ft. sections butted end to end
- ☐ Three 8 ft. sections positively joined
- ☐ Four 5 ft. sections and one 4 ft. section butted end to end
- ☐ Other: _____

ADHESIVE (applied by SGS North America):
- ☐ No
- ☒ Yes - (specify): client supplied Brand: GLUTOLIN K10

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Tested For:	**Ingrida Ziaugraite**	**Phone:**	37062877282	**Received:**	1/29/2024
	UAB DG Dimense	**Fax:**		**Completed:**	2/15/2024
	Baltosios Vokes str, 37	**Mobile:**		**Code:**	A
	Vilnius, LT-02243	**PO#:**		**Test Report:**	3-54614-0-RV
	Lithuania	**Email:**	i.ziaugraite@dgdimense.com		

Key Test: ASTM E84 (Int Fin) 0

OBSERVATIONS:

☒ No unusual observations
☐ Burning Drips to Floor further qualified as: ☐ Minor; ☐ Moderate; ☐ Major
☐ Delamination
☐ Sagging
☐ Shrinkage
☐ Fallout (specimen displacement from ceiling mount)
☐ Other: _____

REMARKS:

☒ None
☐ Other: _____

RESULTS:

Flame Spread Index: 20
Smoke Developed: 5

ROUNDING (Per ASTM E84 Reporting Requirements):

Flame Spread Index value has been rounded to the nearest multiple of 5.
Smoke Developed value has been rounded to:

Raw Data	Rounded
Less than 200	Nearest multiple of 5
200 or more	Nearest multiple of 50

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	UAB DG Dimense	**Fax:**		**Completed:**	2/15/2024
	Baltosios Vokes str, 37	**Mobile:**		**Code:**	A
	Vilnius, LT-02243	**PO#:**		**Test Report:**	3-54614-0-RV
	Lithuania	**Email:**	i.ziaugraite@dgdimense.com		

Key Test: ASTM E84 (Int Fin) 0

CONCLUSION: Based on the reported Results and cited Code Classification System, the item tested is assigned a:

- ☒ Class I or A rating
- ☐ Class II or B rating
- ☐ Class III or C rating
- ☐ Fails to achieve a minimum classification thereby rendering the product unsuitable in terms of code requirement
- ☐ Based on product performance*, ASTM E84 is not a suitable test method for the material.

* Severe melt, drip, delamination or other behavior that destroys the continuity of the flame front such that a valid flame spread is unobtainable (See "Remarks")

DATA SUMMARY:

Time to Ignition (minutes:seconds): 00:22
Maximum Flame Spread "Distance" (feet): 5.2
Maximum Flame Spread "Time" (seconds): 191

CODE CLASSIFICATION SYSTEM (Please see "ASTM E84 Limitations"):

Flame Spread Index		Smoke Developed
Class I or A:	0 - 25	450 or less
Class II or B:	26 - 75	450 or less
Class III or C:	76 - 200	450 or less

BUILDING CODE CITATION FOR THE CLASSIFICATION SCHEME:

(1) 2021 edition, NFPA 101 Life Safety Code, para. 10.2.3.4
(2) 2021 edition, NFPA 5000 Building Construction & Safety Code, para. 10.4.2
(3) 2021 edition, International Building Code, para. 803.1.2

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Tested For:	**Ingrida Ziaugraite**	**Phone:**	37062877282	**Received:**	1/29/2024
	UAB DG Dimense	**Fax:**		**Completed:**	2/15/2024
	Baltosios Vokes str, 37	**Mobile:**		**Code:**	A
	Vilnius, LT-02243	**PO#:**		**Test Report:**	3-54614-0-RV
	Lithuania	**Email:**	i.ziaugraite@dgdimense.com		

Key Test: ASTM E84 (Int Fin) 0

LIMITATIONS OF THE ASTM E84 CLASSIFICATION SCHEME: Most building codes will accept the ASTM E84 classifications when the interior finish product is used in a sprinklered area. Certain local authorities such as NYC have more stringent requirements, i.e. Smoke Developed ranges from a maximum 25 to 100.

If the interior finish product is a textile or vinyl wall covering used in a non-sprinklered area, the NFPA 265 room corner fire test applies.

Certain products which give off excessive heat such as but not limited to cellular plastics, cellular foam (either with or without coverings as applicable), polypropylene, and high density polyethylene should be tested by NFPA 286 - Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth. In SGS North America's opinion, the codes require NFPA 286 for such products, even in sprinklered areas.

CERTIFICATION: I certify that the reported results were obtained after testing specimens in accordance with the procedures and equipment specified above.

DocuSigned by:
Michael Magee
1D12C24670FA402...

2/27/2024

AUTHORIZED SIGNATURE
SGS NORTH AMERICA
/sj /gb

RV. 02.23.24 /gb

Test Engineer: Jimmy Rosinsky

DS
MM

Enclosure: Graphs

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SGS

Program: Steiner Tunnel (Version 1.0.3.0)

Test Method	:	ASTM E84
Report #	:	3-54614-0-A -RV
Test Date	:	2/15/2024
Client	:	UAB DG Dimense
Operator	:	Jimmy Rosinsky
Details of Preparation	:	The test specimen was bonded to 1/4" Inorganic Reinforced Cement (IRC) boards using GLUTOLIN K10. The 24 ft. length was comprised of three 8 ft. sections butted end to end.
Observations	:	No unusual observations

Results

Area Under Flame Curve (ft min)	:	43.52
Raw Flame Spread Index	:	22.41
Ignition Time (mm:ss)	:	00:22
Area Under Smoke Curve (%A min)	:	2.49
Raw Smoke Developed Index	:	3.45
Total Gas Flow (ft^3)	:	56.0
Maximum Flame Front Achieved (ft)	:	5.2 @ 191s
Flame Spread Index	:	**20**
Smoke Developed Index	:	**5**
Material Classification	:	**A**

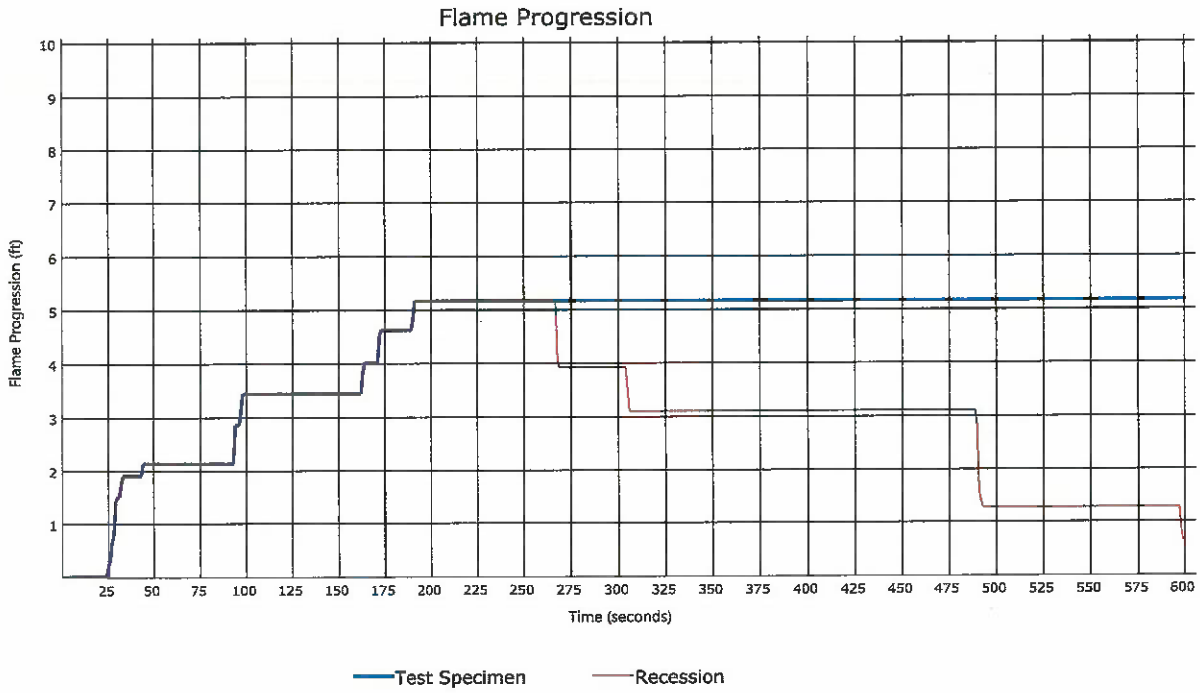
CERTIFICATION : I certify that the above results were obtained after testing the specimens in accordance with the procedures and equipment specified by ASTM E84

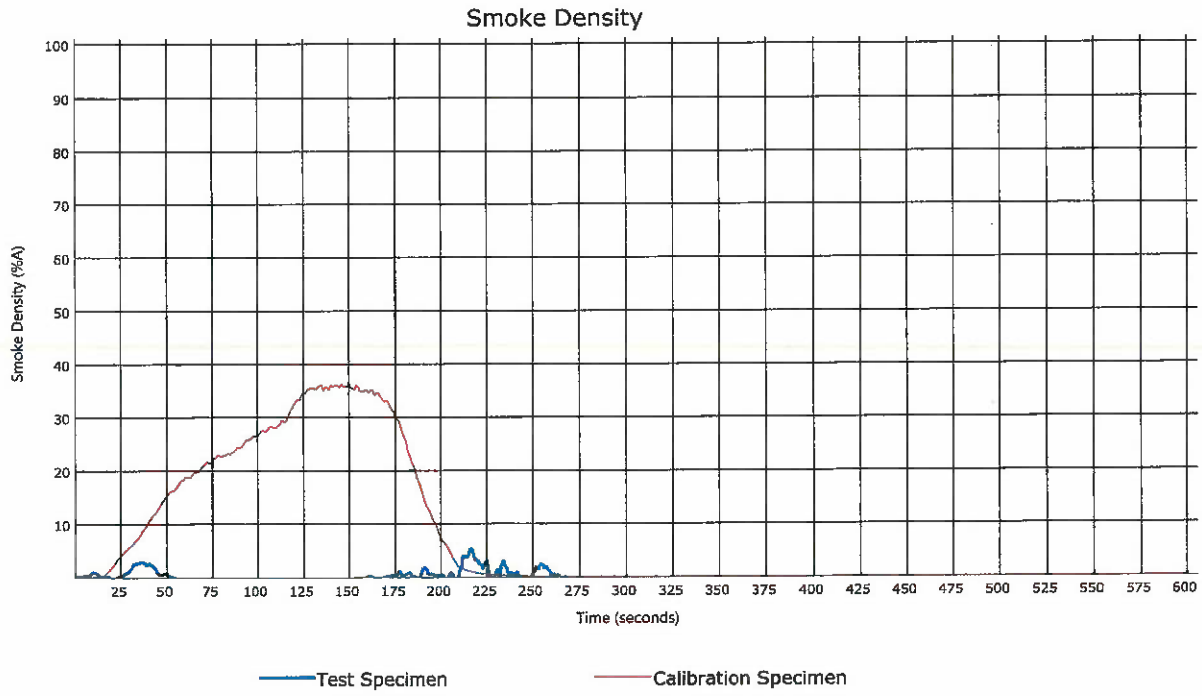
Jimmy Rosinsky

AUTHORIZED SIGNATURE

Program: Steiner Tunnel (Version 1.0.3.0)

Test Method : ASTM E84
Test Report # : 3-54614-0-A -RV





CLASSIFICATION OF REACTION TO FIRE ACCORDANCE WITH EN 13501-1:2018

1. Introduction

This classification report defines the classification assigned to DIMENSE TEXTILE FR in accordance with the procedures in EN 13501-1:2018.

Sponsor:	DG Dimense Baltosios Vokes Str. 37 LT-02243 Vilnius Lithuania
Prepared by:	SYCHTA LABORATORIUM Sp. J. Laboratorium Badań Palności Materiałów ul. Ofiar Stutthofu 90 72-010 Police, Poland
Notified Body No:	-
Product name:	DIMENSE TEXTILE FR
Classification report No:	SL/Z-303/EN13501/0263a/2024
Date of issue:	11.04.2024

This classification report consists of four pages and may only be used or reproduced in its entirety.

2. Details of classified product

2.1. General

The product, DIMENSE TEXTILE FR.

2.2. Product description

The product, DIMENSE TEXTILE FR, is described below or is described in the reports provided in support of classification listed in 3.1

Dimense Textile is polyolefin-based compound with mineral fillers and with textile backing. Digital 3D wallpaper produced on Ecodeco PVC-free, polyolefin based media with a textile backing. Color: multicolor, Thickness: 0,7-1,0 mm, Weight per unit area: 330-350 g/m^2

3. Reports and results in suport of this classification

3.1. Specific conditions

-

3.2. Reports

Name of Laboratory	Name of sponsor	Report ref. No.	Test method and date Field of application rules and date
Sychta Laboratorium	DG Dimense	SL/Z-303/EN13823/0262a/2024	PN-EN ISO 13823 PN-EN ISO 11925-2 09-10.04.2024

3.3. Results

Test method and test number	Parameter	No. Tests [a]	Results	
			Continuous parameter - mean (m)	Compliance with parameters
PN-EN 13823	$FIGRA_{0,2}$, $W \cdot s^{-1}$	3	106	(-)
	THR_{600s}, MJ		1,1	(-)
	LFS < edge		(-)	Compliant
	SMOGRA, $m^2 \cdot s^{-2}$		0	(-)
	TSP600s, m^2		11	(-)
	Flaming particles or droplets, time s		(-)	Compliant
PN-EN ISO 11925-2 Exposure time 30 s	Flame spread > 150 mm in 60 s, mm	6	(-)	Compliant
	Ignition of paper		(-)	Compliant

[a] Not for extended application, (-): not applicable

4. Classification and field of application

4.1. Reference of classification

This classification has been carried out in accordance with EN 13501-1:2018.

4.2. Classification

The product, DIMENSE TEXTILE FR, in relations to its reaction to fire behaviour is classified:

B

The additional classification in relations to smoke production is:

s1

The additional classification in relations to flaming droplets / particles is:

d0

The format of the reaction to fire classification for construction products excluding floorings and linear pipe thermal insulation products is:

Fire behaviour		Smoke production			Flaming droplets	
B	**-**	**s**	**1**	**,**	**d**	**0**

Reaction to fire classification: B-s1,d0

4.3. Field of application

This classification is valid for the following product parameters:

- Digital 3D wallpaper produced on Ecodeco PVC-free, polyolefin based media with a textile backing,
- Total thickness of 0,7-1,0 mm,
- Weight per unit area of 330-350 g/m².

The classification is valid for the following end use applications:

This classification applies to freely hanging material with a ventilated or unventilated air gap.

5. Limitations

This classification document does not represent type approval or certification of the product.

Signature of person undertaking classification:

dr inż. Krzysztof Sychta

SYCHTA LABORATORIUM Sp. J.
72-010 Police, ul. Ofiar Stutthofu 90
tel./fax +48 91 4210 214, tel. 502078855
e-mail: biuro@sychta.eu www:sychta.eu
KRS 0000387681 REGON 321023120
NIP 8513152392

Signature of person authorising report:

KIEROWNIK LABORATORIUM

dr hab. inż. Zygmunt Sychta

SYCHTA LABORATORIUM Sp. J.
Laboratorium Badań Palności Materiałów
ul. Ofiar Stutthofu 90
72-010 Police

AB 1501

TEST REPORT

Order no: G.PIVORIUNAS_27.03.2024 Signature: SL/Z-303/EN13823/0262a/2024 Police, 11.04.2024

Test methods:

1. EN 13823:2020 + A1:2022. Reaction to fire tests of building products – Building products excluding floorings exposed to the thermal attack by a single burning item.
2. EN ISO 11925-2:2020. Reaction to fire tests – Ignitability of products subjected do direct impingement of flame – Part 2: Single-flame source test.

Content of request: Tests according to EN 13501-1:2018.

Sponsor: DG Dimense
Baltosios Vokes Str. 37
LT-02243 Vilnius
Lithuania

Material: DIMENSE TEXTILE FR

Composition: Dimense Textile is polyolefin-based compound with mineral fillers and with textile backing
Digital 3D wallpaper produced on Ecodeco PVC-free, polyolefin based media with a textile backing.
Color: multicolor, Thickness: 0,7-1,0 mm, Weight per unit area: 330-350 g/m^2

Manufacturer/supplier: DG Dimense
Baltosios Vokes Str. 37
LT-02243 Vilnius
Lithuania

Assessment: The tested product fulfils the requirements of B-s1,d0 class according to EN 13501-1:2018.

The reprint and the copying: only with the agreement of DG Dimense.

Without the written consent of the Sychta Laboratory the report can be copied only in one piece.

Report applies only to the sample tested and is not necessarily indicative of the qualities of apparently identical or similar products.

Content of test report: nine pages with signature and numbers.

1. Reaction to fire tests of building products according to EN 13823

1.1. Heat release rate

Name of measured quantity	Unit	Specimen			Average	Standard deviation
		1	2	3		
Duration of the test	s	1560	1560	1560	1560	0
Maximum heat release rate	kW	6,7	9,9	6,7	7,8	1,9
Total heat release THR	MJ	1,9	1,4	1,1	1,5	0,4
Total heat release in the first 600 s – THR_{600s}	MJ	1,1	1,2	0,9	1,1	0,2
Fire growth rate index $FIGRA_{0,2MJ}$	$W \cdot s^{-1}$	72	160	87	106	47
Fire growth rate index $FIGRA_{0,4MJ}$	$W \cdot s^{-1}$	26	83	23	44	34

Remarks: none.

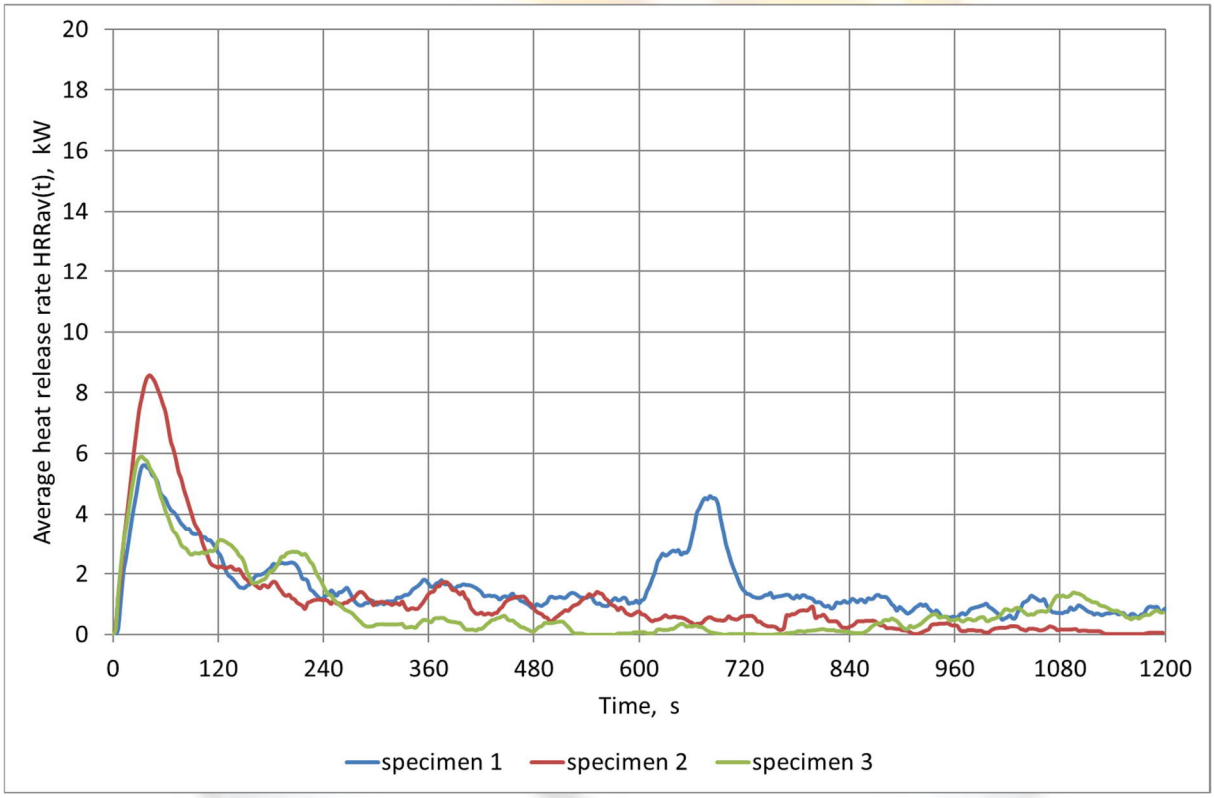


Figure 1.1. Average heat release rate $HRR_{av}(t)$, kW

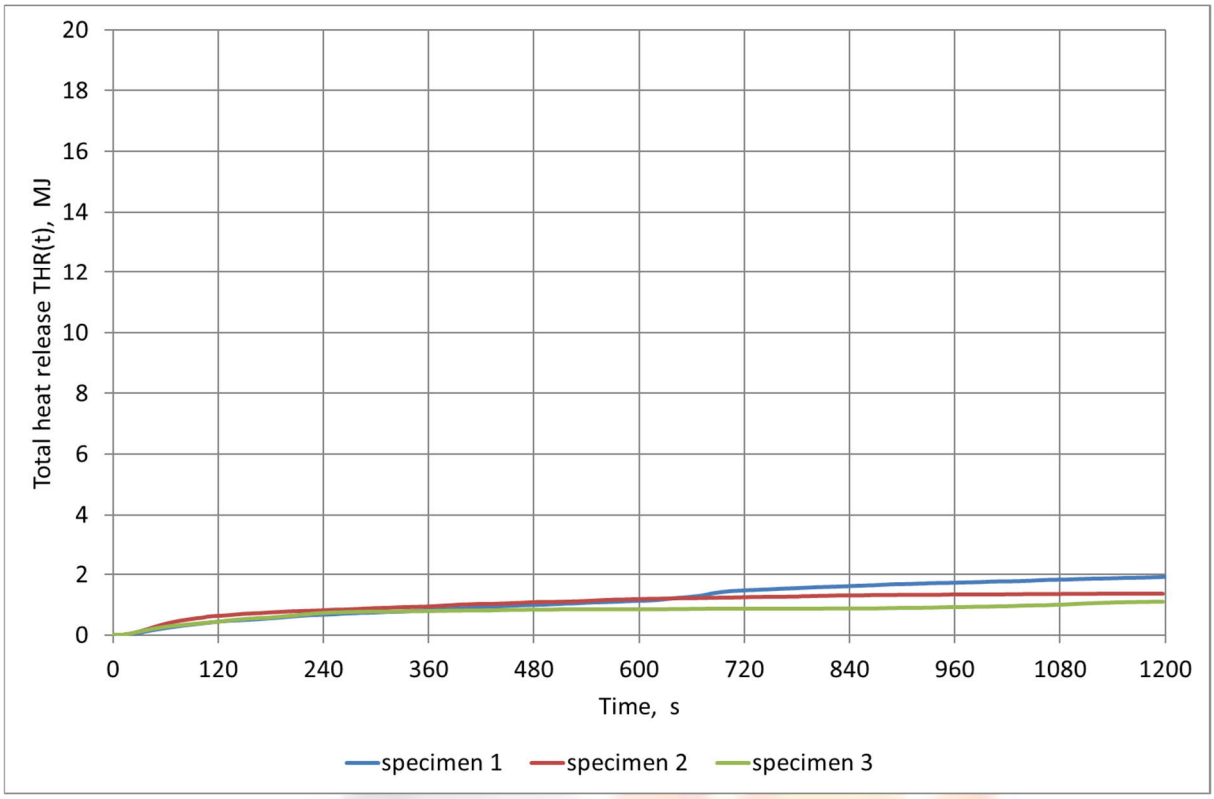


Figure 1.2. Total heat release THR(t), MJ

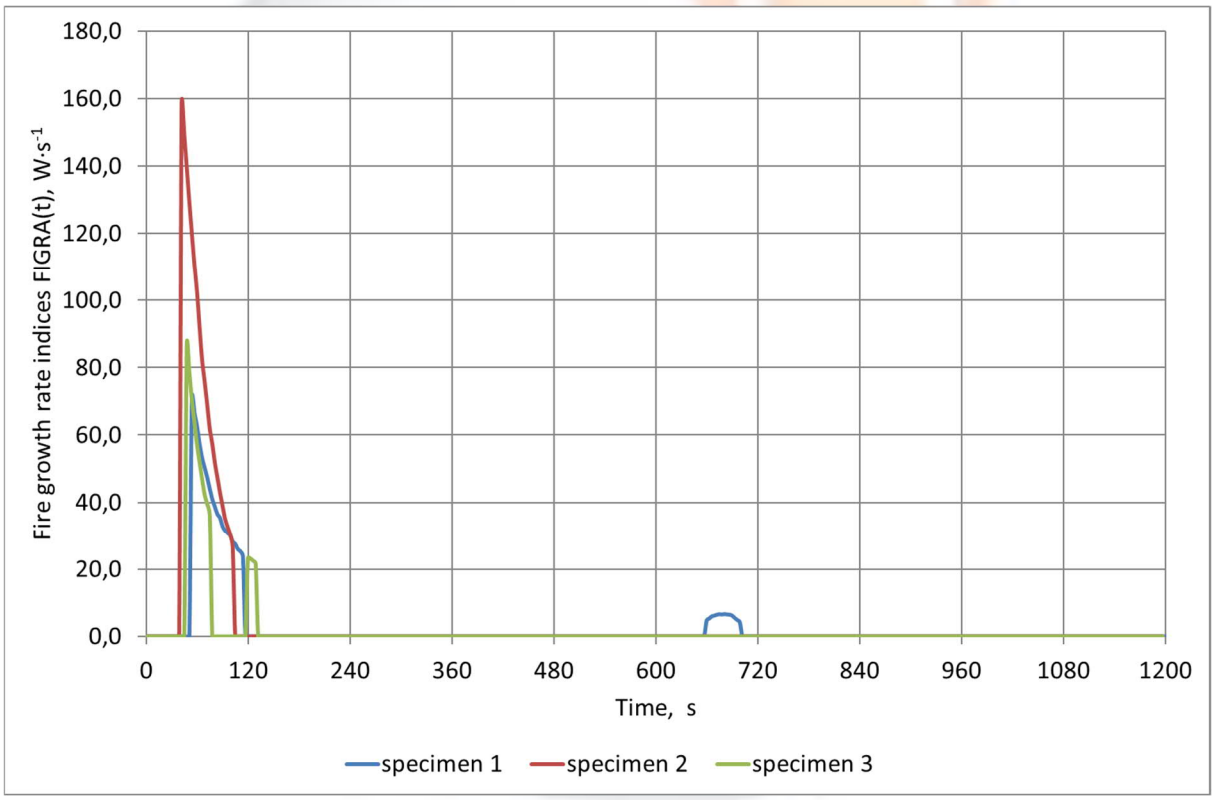


Figure 1.3. Fire growth rate index FIGRA(t), $W \cdot s^{-1}$

1.2. Smoke production rate

Name of measured quantity	Unit	Specimen			Average	Standard deviation
		1	2	3		
Maximum light attenuation	%	3,0	2,0	2,3	2,4	0,5
Max. smoke production rate SPR	$m^2 \cdot s^{-1}$	0	0	0	0	0
Total smoke production - TSP	m^2	25	22	21	23	2
Total smoke production in the first 600 s - TSP_{600s}	m^2	11	12	11	11	0
Smoke growth rate index SMOGRA	$m^2 \cdot s^{-2}$	0	0	0	0	0

Remarks: none.

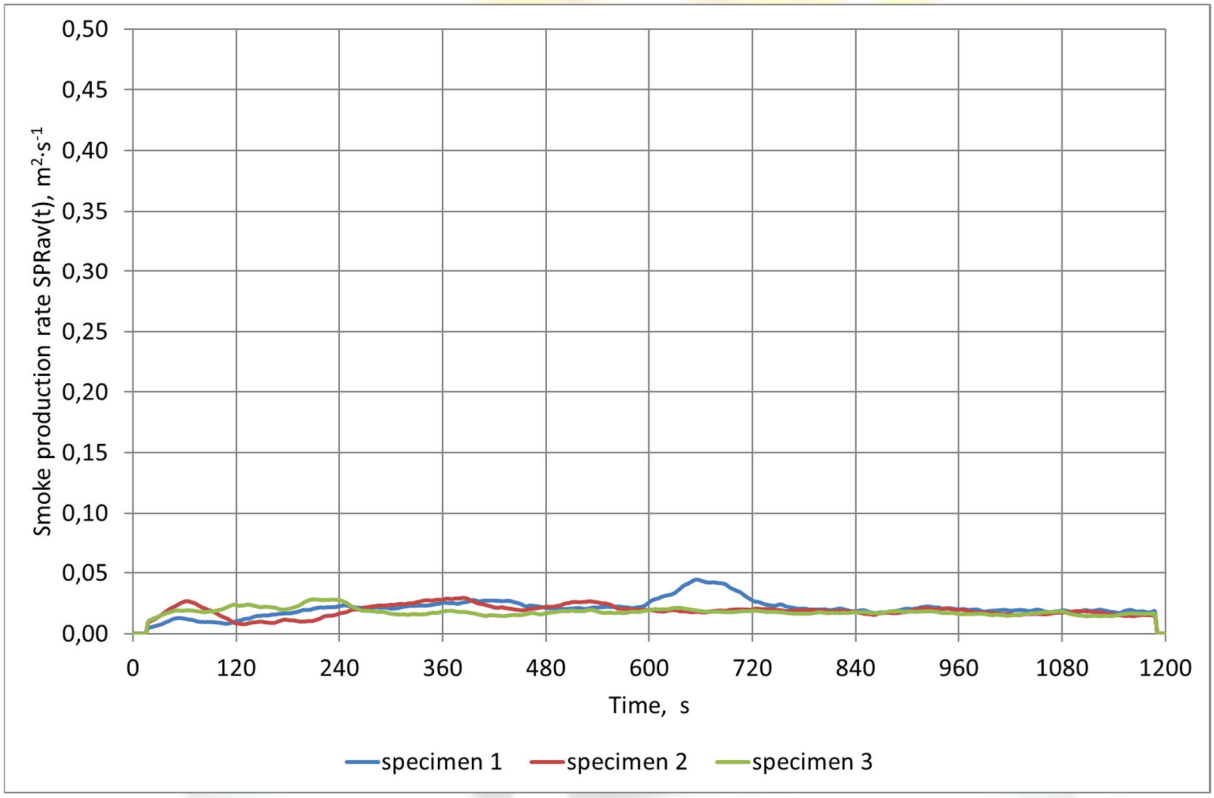


Figure 1.4. Smoke production rate $SPR_{av}(t)$, $m^2 \cdot s^{-1}$

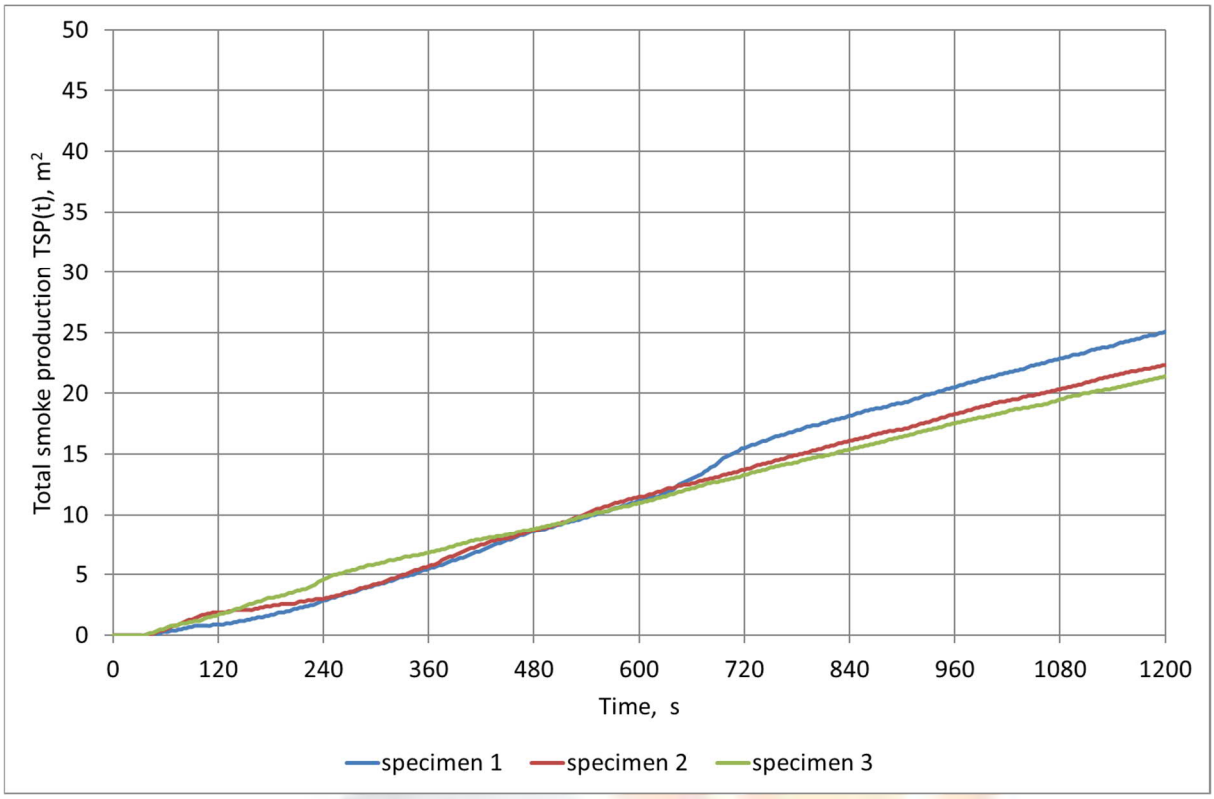


Figure 1.5. Total smoke production TSP(t), m^2

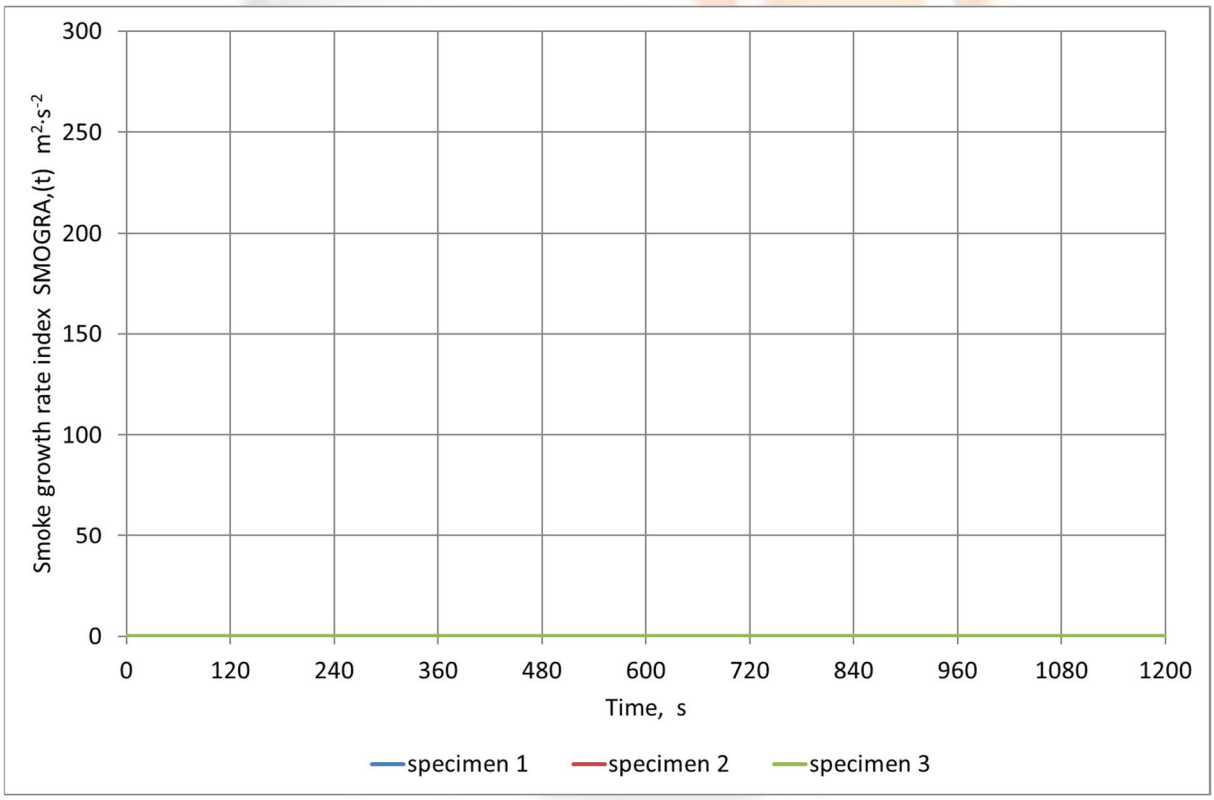


Figure 1.6. Smoke growth rate index SMOGRA(t), $m^2 \cdot s^{-2}$

1.3. Lateral flame spread on the long specimen wing and laming particles or droplets

Name of measured quantity	Unit	Specimen		
		1	2	3
Lateral flame spread on the long specimen wing LFS < edge	YES/NO	YES	YES	YES
Flaming particles or droplets	YES/NO time, s	NO	NO	NO

1.4. Appearance of the specimen

Specimen 1

Specimen 2

Specimen 3

2. Ignitability of products subjected do direct impingement of flame according to EN ISO 11925-2

2.1. Surface ignition

Exposure time of pilot burner flame - 30 s

Name of measured quantity	Unit	Specimen no./Test direction						Final result
		lenght direction			cross direction			
		1	2	3	4	5	6	
Ignition of specimen	YES/NO	YES	YES	YES	-	-	-	YES
Ignition of paper	YES/NO	NO	NO	NO	-	-	-	NO
Flame spread > 150 mm	YES/NO	NO	NO	NO	-	-	-	NO
Time of arrival of the flame front 150 mm	s	-	-	-	-	-	-	-

2.2. Edge ignition

Exposure time of pilot burner flame - 30 s

Name of measured quantity	Unit	Specimen no./Test direction						Final result
		lenght direction			lenght direction			
		1	2	3	4	5	6	
Ignition of specimen	YES/NO	YES	YES	YES	-	-	-	YES
Ignition of paper	YES/NO	NO	NO	NO	-	-	-	NO
Flame spread > 150 mm	YES/NO	NO	NO	NO	-	-	-	NO
Time of arrival of the flame front 150 mm	s	-	-	-	-	-	-	-

Remarks: none.

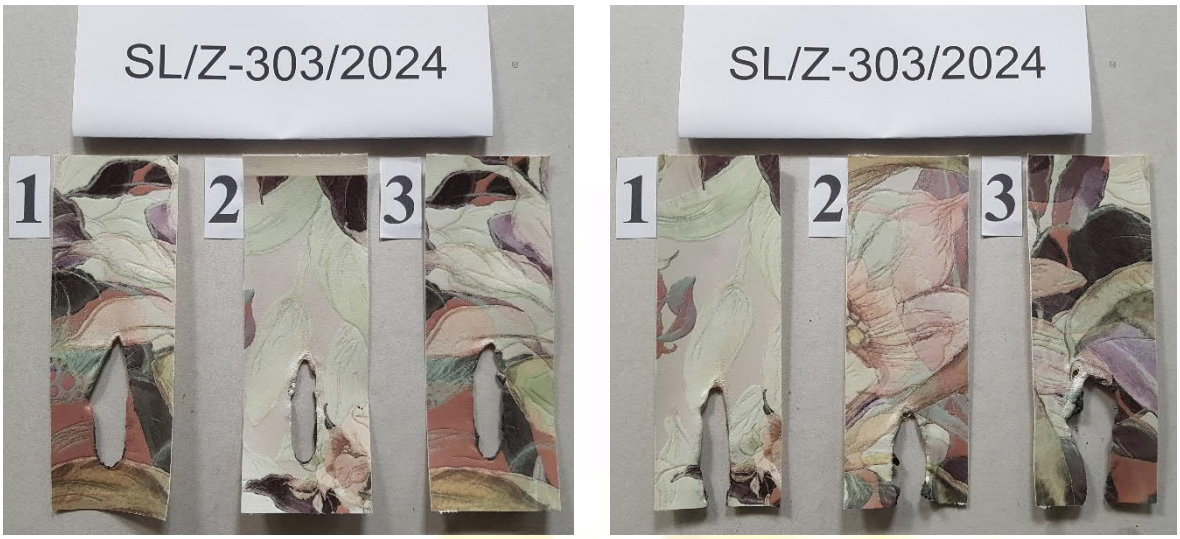


Fig. 2. Appearance of the specimens after the test

3. Final findings

Test method	Parameter/Unit	Measured value	Critical value	Classification
PN-EN 13823	$FIGRA_{0,2}$, W/s	106	≤ 120	**B**
	THR_{600s}, MJ	1,1	≤ 7,5	
	LFS < edge	YES	YES	
	SMOGRA, $m^2 \cdot s^{-2}$	0	≤ 30	**s1**
	TSP600s, m^2	11	≤ 50	
	Flaming particles or droplets, time s	NO	NO	**d0**
PN-EN ISO 11925-2 Exposure time 30 s	Flame spread > 150 mm in 60 s, mm	≤ 150	≤ 150	-
	Ignition of paper	no	no	no d2

The tested product meets the requirements of **B-s1,d0** class according to EN 13501-1:2018

4. Remaining required information with norm

Date of receipt of samples: 03.04.2024

***Sampling*:** sponsor took and delivered samples.

***Description of the samples*:** Wallpaper with floral pattern with a white textile backing, with a total thickness of 0,7-1,0 mm and weight per unit area of 330-350 g/m². Sponsor delivered one roll of 1600 mm wide material. Laboratory prepared samples for testing.

Conditioning of specimens: constant mass at a temperature of 23±2 °C, and relative humidity of 50±5 %.

Description of the substrate and fixing to the substrate: specimens were mechanically fixed on a steel frame and tested with 80 mm air gap from standard substrate of classes A2-s1-d0 according EN 13238: 2011 section 5.3 - plasterboard with thickness 12,5±0,5 mm and density 700 ±100 kg/m^3.

Declarations:

1. The test results relate to the behaviour of the test specimens under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the products in use.
2. The information provided on the first page of the report concerning the scope of research and identification of the tested object/objects were provided by the Sponsor.

Operator:

mgr inż. Andrzej Sychta

lic. Krzysztof Fidrysiak

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tel./fax +48 91 4210 214, tel. 502078855
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KRS 0000387681 REGON 321023120
NIP 8513152392

Authorised by:

KIEROWNIK TECHNICZNY
dr inż. Krzysztof Sychta

Date and place of test : 09-10.04.2024, Police

Vilnius Gediminas Technical University
Environmental Protection Institute
Laboratory of Environmental Protection and Working Conditions
Saulėtekio al. 11, Vilnius
phone: +370 5 2744726,
e-mail: aai@vilniustech.lt

NACIONALINIS AKREDITACIJOS BIURAS
Bandymai / tyrimai ISO/IEC 17025
Nr. LA.01.054

DETERMINATION OF SOUND ABSORPTION COEFFICIENT AND NORMAL SURFACE IMPEDANCE BY THE TRANSFER FUNCTION METHOD PROTOCOL No. IA – 2024–9/4K(EN)

10/24/2024

Customer: **DG DIMENSE, UAB**

Research tools:

Audio amplifier Atlas Sound PA 601, Ser. No. T5647160802014646	Calibration certificate no. K-0009975; Calibration date 2024.02.12
Audio signal processing equipment Sinus Apollo Light, Ser. No. 11338	
Interferometer AED Acousti Tube, Ser. No. 1000.01.01.1026	
Microphone no. 1 Microtech Gefel M370, Ser. No. 2200	
Microphone no. 2 Microtech Gefel M370, Ser. No. 2201	
Microphone no. 3 Microtech Gefel M370, Ser. No. 2203	
Microphone no. 4 Microtech Gefel M370, Ser. No. 2206	
Microphone acoustic calibrator Larson Davis CAL200 Ser. No. 18008	Calibration certificate no. K-0009974; Calibration date 2024.02.12
Rotronic HP32 Ser. No. 5180813	Calibration certificate no. 103180-1-1; Calibration date 2022.09.29
AED Acousti studio software	

Normative documents: LST EN ISO 10534-2:2023 Acoustics. Determination of acoustic properties in impedance tubes. Part 2. Two-microphone technique for normal sound absorption coefficient and normal surface impedance (ISO 10534-2:2023)

Date of test:2024-10-17	Contract:10.13-2023-1826	Date of order:2024-10-14

Measurement conditions	Temperature 19.9 °C	Pressure 101.5 kPa

Protocol annex: ☒visual material of the sample

Structural parameters of the sample:

Thickness, mm	13.6; 13.5; 13.2; 13.1; 13.0; 13.5
Surface roughness of the sample, mm	1.0
Number of layers (including air gaps)	2
Dimensions of structural units (for resonator systems)	–
Sample cutting angle, compared to the sample axis, °	90
Thickness of perforated panels, percentage of perforation, %	–

Material parameters:

Net density, kg/m ^{3}	–
Air resistance, kPa·s/m ^{2}	–
Material layers forming the sample (for composite materials)	Paintable Dimense wallcovering

Design parameters:

The type of layer connection ☒Glued ☐Twisted ☐Stacked ☐Other:

The sample is placed at a normal angle compared to the measuring equipment: ☒Yes ☐No (angle degrees)

Other parameters:

Quantity of samples, pcs.	6
Diameter, mm	30.0; 30.0; 30.0; 99.8; 99.8; 99.8
Type of fixation	☒Inserted without lubrication ☐Covered with vaseline, grease

Additional information: –

The research was carried out by: Head of laboratory, Engineer Andrej Naimušin
(position, name, surname, signature)

APLINKOS APSAUGOS IR DARBO SĄLYGŲ LABORATORIJA

Head of the laboratory Andrej Naimušin.....AV
position, name, surname, signature)

The laboratory accreditation certificate with an attachment is available on the website of the National Accreditation Bureau

Vilnius Gediminas Technical University
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Laboratory of Environmental Protection and Working Conditions
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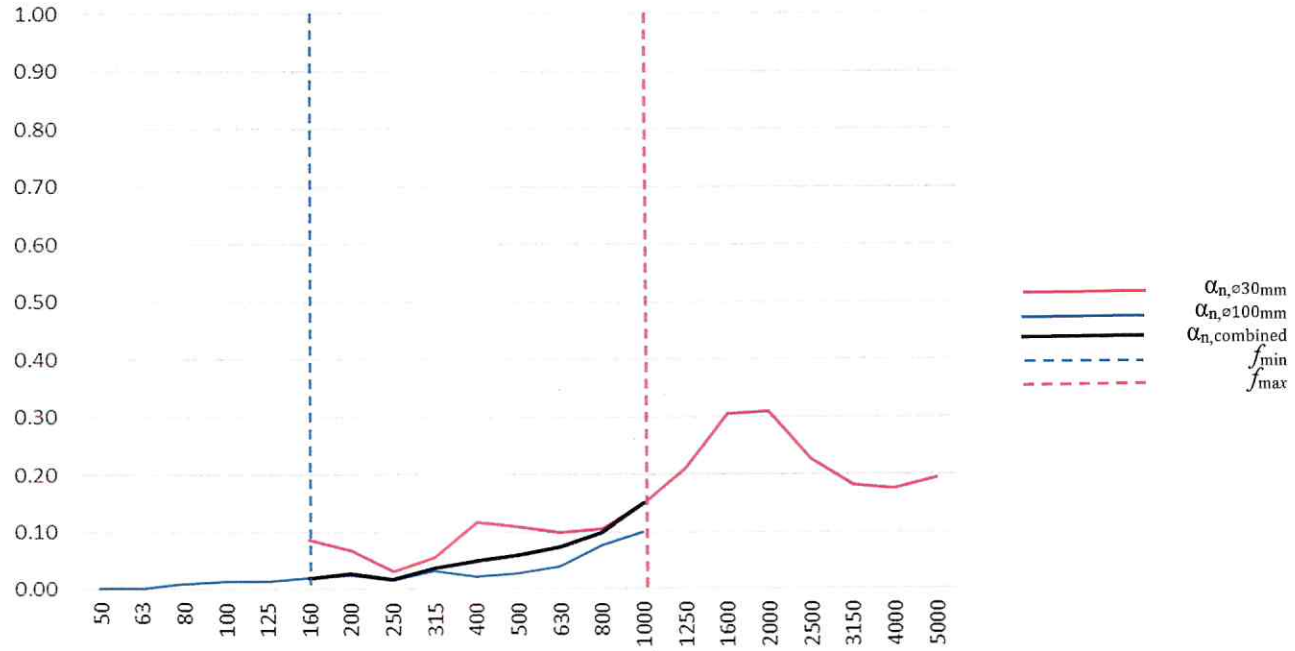
NACIONALINIS AKREDITACIJOS BIURAS
Bandymai / tyrimai ISO/IEC 17025
Nr. LA.01.054

Determination of sound absorption coefficient and normal surface impedance by the transfer function method according to LST ISO 10534-2

Laboratory measurements of the material's acoustic properties using an interferometer

Customer: DG DIMENSE, UAB **Measurement date:** 2024-10-17

Frequency, Hz	Sound wave absorption coefficient at normal incidence, $\alpha_{n,\varnothing 100\,mm}$	Sound absorption coefficient at normal incidence, $\alpha_{n,\varnothing 30\,mm}$	Sound absorption coefficient at normal incidence, $\alpha_{n,combined}$	Uncertainty, ±σ
50	0.00			*0.00*
63	0.00			*0.00*
80	0.01			*0.00*
100	0.01			*0.00*
125	0.01			*0.00*
160	0.02	0.09	0.02	*0.00*
200	0.02	0.07	0.03	*0.00*
250	0.02	0.03	0.02	*0.00*
315	0.03	0.06	0.04	*0.00*
400	0.02	0.12	0.05	*0.00*
500	0.03	0.11	0.06	*0.01*
630	0.04	0.10	0.07	*0.01*
800	0.08	0.11	0.10	*0.01*
1000	0.10	0.15	0.15	*0.01*
1250		0.21		*0.03*
1600		0.31		*0.09*
2000		0.31		*0.08*
2500		0.23		*0.04*
3150		0.18		*0.04*
4000		0.18		*0.04*
5000		0.20		*0.05*



Additional information: Due to the roughness of the sample surface a difference greater than 0.05 is visible at 160 Hz and 400 Hz frequency.

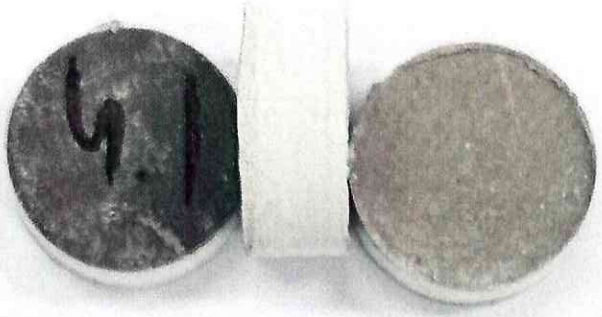
Protocol No.: IA – 2024–9/4K(EN)
The research was carried out by:
Head of laboratory, Engineer Andrej Naimušin
(position, name, surname, signature)

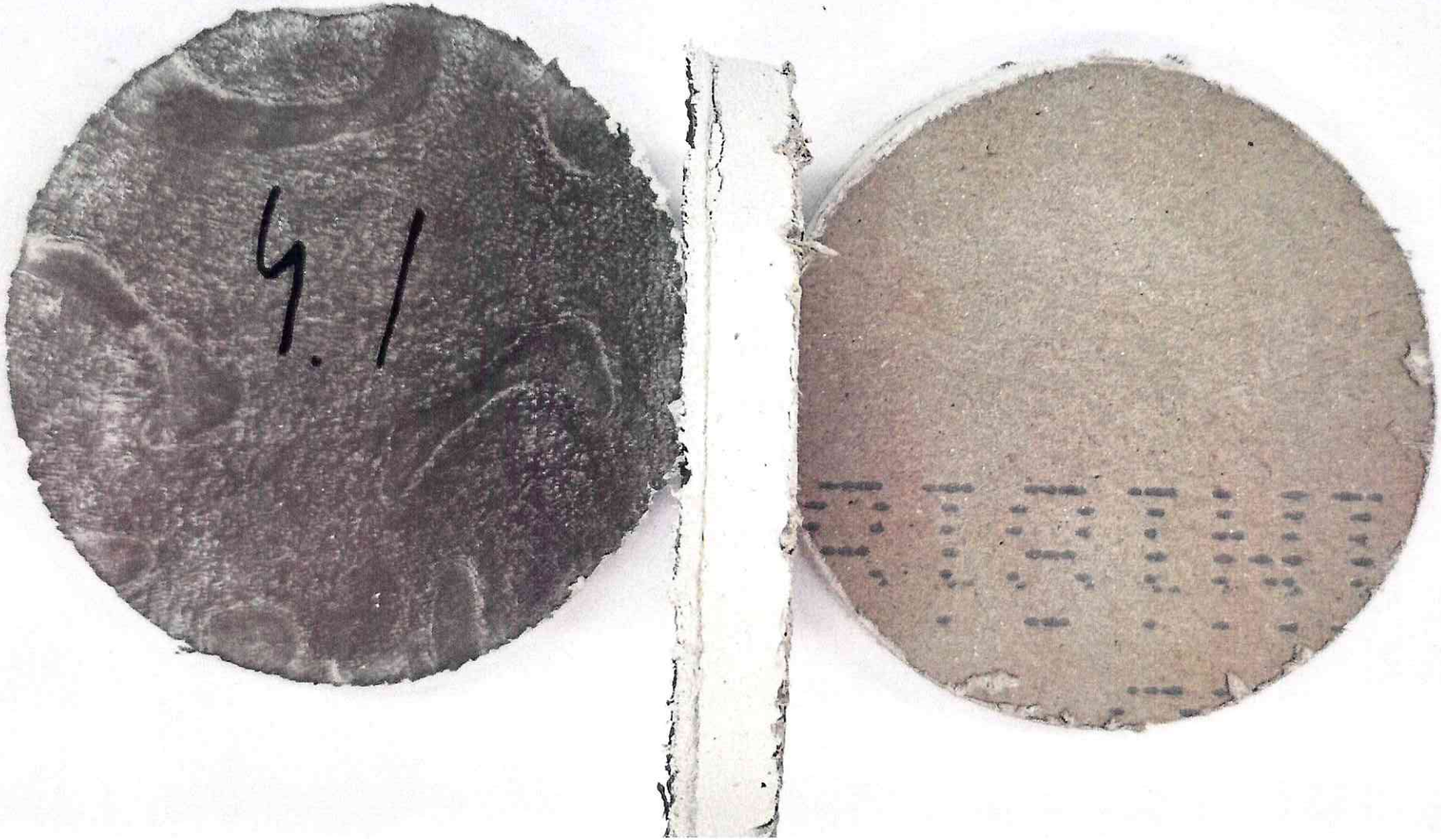
Name of the organization that performed the tests:
Vilnius Gediminas technical University
Institute of Environmental Protection
Laboratory of Environmental Protection and Working Conditions

Head of the laboratory Andrej Naimušin..... AV
position, name, surname, signature)

The laboratory accreditation certificate with an attachment is available on the website of the National Accreditation Bureau

Annex for potocol No: IA-2024-914K(EN)

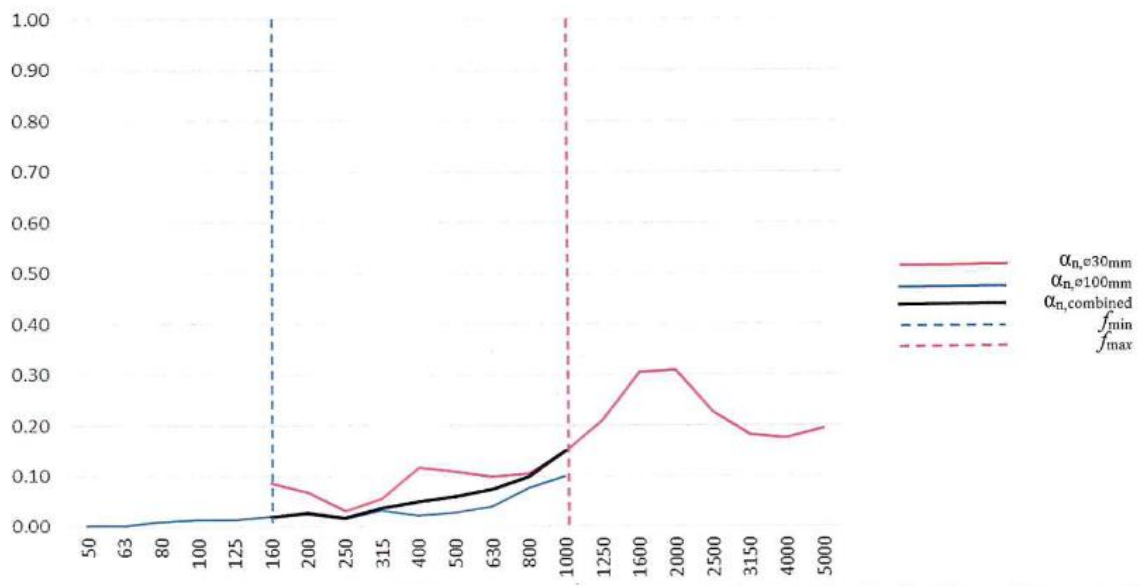




DG DIMENSE
Baltosios Vokės str. 37,
LT-02243 Vilnius
E-mail: office@dgdimense.com
www.dgdimense.com

Acoustic properties are becoming increasingly important due to open spaces and work from home environments. The standard coefficients that are used to determine acoustics are NRC and α_W that are both sound absorption factors between 0 and 1 (meaning 0% sound absorption and 100% sound absorption, respectively, standard painted wall is 0-5%)

According to the No.IA-2024-9/1K(EN) protocol and the LST EN ISO 10534-2:2023 standard (Acoustics. Determination of acoustic properties in impedance tubes. Part 2. Two-microphone technique for normal sound absorption coefficient and normal surface impedance), product **"Paintable Dimense wallcovering"** calculated value of **NRC factor is 0,15** and an **α_W is 0,15**. This means that product has 15% sound absorption, **acoustic class E**;



The full external report is avialable as a separate document.

Responsible person:
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XCFR2.E60693 - TERMINAL BLOCKS - COMPONENT

Terminal Blocks - Component

See General Information for Terminal Blocks - Component

WEIDMUELLER INTERFACE GMBH & CO KG E60693
KLINGENBERGSTR 16
32758 DETMOLD, GERMANY

Type	Cat. No.	Wire Range	Wire Type	FW	TQ Lb In.	V	A	UG	CA
STV1/5	3261.6,	12-22	Cu	2	4.4	300	20	C, B	2(105)
	3262.6					250			
Cat. Nos. *TB APC 3P, TB APC 4P*	—	4-8, Str, Compact	Cu	2	35.4	600	65	B, C	2 (115), 4
SAKG28	1700.2,	8-2	Cu	2	50	125,	95	A, B, C	2(105)4, #
	1708.2					600, 600			
	1703.2	8-2	Cu	2	50	600	115	C	2(105)4, #
SAKG32	1704.2,	6-3/0	Cu	2	90	600	200	C	2(105)#
	2866.2,	6-3/0	Cu	2	90	125,	165	A, B, C	2(105)#
	2867.2					600, 600			
SAKG32/35	6371.2,	6-3/0	Cu	2	90	125,	165	A, B, C	2(105)#
	6372.2,					600,	200		
	6373.2,					600	200		
	6374.2								
SAKG40	1705.2,	1-4/0	Cu	2	135	600	230	C	2(105)#
	2868.2,	1-4/0	Cu	2	135	125,	195	A, B, C	2(105)#
	2869.2					600, 600			
SAKG40/35	6375.2,	1-4/0	Cu	2	135	125,	195	A, B, C	2(105)#
	6376.2,					600,	195		
	6377.2,					600	230		
	6378.2						230		
SAKG46	1706.2	4/0-350	Cu	2	200	600	285	C	2(105)#
SAKG46/35	6379.2,	4/0-350	Cu	2	200	125,	285	A, B, C	2(105)#

	6380.2					600, 600			
SAKG54	1707.2	300-500	Cu	2	200	600	380	A	2(105)#
SAKG54/35	6381.2, 6382.2	300-500	Cu	2	200	125, 600, 600	380	A, B, C	2(105)#
SAKG70/35	6366.2	6-3/0	Cu	2	90	125, 600, 600	200	A, B, C	2(105)#
SAKH 6 EP/SW	—	20-6	Cu	1	21.24	150, 600, 1000	78[2]	A, B, C, D, E	2(160)
SAKH 6 EP/SW	—	20-6	Cu	2	21.24	150, 600, 1000	65[4]	A, B, C, D, E	2(160)
SAKH 10 EP/SW	—	14-6	Cu	1	21.24	150, 600, 1000	78[2]	A, B, C, D, E	2(160)
SAKH 10 EP/SW	—	14.6	Cu	2	21.24	150, 600, 1000	65[4]	A, B, C, D, E	2(160)
SAKH 35 EP/SW	—	12-2	Cu	1	44.25	300, 600, 1500	125[3]	A, B, C, D, E	2(160)
SAKH 35 EP/SW	—	12-2	Cu	2	44.25	300, 600, 1500	115[4]	A, B, C, D, E	2(160)
[2] These Current values were tested using wire size 6 AWG and they are for reference only.									
[3] This Current value was tested using wire size 2 AWG and it is for reference only.									
[4] These Current values were assigned according to the relation wire sizes - ampacity (Table 12.5.1 in NFPA 79).									
AKZ1.5	3404.6	22-14	Cu	2	4.5	250, 150	15	B, C	2(105)#
AKZ1.5T	3578.6,	22-14	Cu	2	4.5	250, 600	10	B, C	2(105)#
		26-14	Cu	1	4.5	250, 600	10	B, C	2(105)#
	3579.6,								
	3716.6,								
	4003.6,								
	4004.6,								
	4103.6,								
	4425.6								
AKZ1.5TT	4421.6	30-20	Cu	2	—	250, 600	10	B, C	2(105)#
AKZ1.5W	3294.6	22-14	Cu	2	4.5	250, 600	10	B, C	2(105)#
		26-14	Cu	1	4.5	250, 600	10	B, C	2(105)#
AKZ4	2943.2,	22-12	Cu	2	8	250, 600	27	B, C	2(105)#, 4

		26-12	Cu	1	8	250, 600	27	B, C	2(105)#4
	2943.6								
AKZ4T	3440.6,	22-12	Cu	2	8	250, 600	10	B, C	2(105)#
		26-12	Cu	1	8	250, 600	10	B, C	2(105)#
	3664.6,								
	4018.6,								
	4458.6,								
	4616.6,								
	3441.6,								
AKZ4TT	3719.6	30-20	Cu	1	—	250, 600	10	B, C	2(105)#
AKZ4WW	3640.6	30-12	Cu	1	—	250, 300	10	B, D	2(105)#
AKZ4L	3348.2,	22-12	Cu	2	8	250, 300	20	B, C	2(105)#
		26-12	Cu	1	8	250, 300	20	B, C	2(105)#
	3348.6								
AKZ4LL	3464.2,	22-12	Cu	1	—	250, 300	20	B, C	2(105)#
	3464.6,								
	3465.2,								
	3465.6								
AKZ4S	3244.6	22-12	Cu	2	8	250, 150	20	B, C	2(105)#
		26-12	Cu	1	8	250, 150	20	B, C	2(105)#
AKZ4SS	—	22-12	Cu	2	—	250, 150	10	B, C	2(105)#
		26-12	Cu	1					
AK4, AK4/10	3665.6	22-12	Cu	2	5.5	600, 600	27	B, C	2(105)#
		26-12	Cu	1	5.5	600, 600	27	B, C	2(105)#
AK4M/10	3859.6	22-12	Cu	2	5.5	250, 300	10	B, D	2(105)#
		26-12	Cu	1	5.5	250, 300	10	B, D	2(105)#
AKZ4/10	3595.6	22-12	Cu	2	8	250, 300	27	B, D	2(105)#
		26-12	Cu	1	8	250, 300	27	B, D	2(105)#
R2.5	3475,	22-12	Cu	2	—	250, 300	20	B, C	2(105)#
		26-12	Cu	1	—	250, 300	20	B, C	2(105)#
	3475.6								
RSF1	2703	14-8	Cu	2	14.5	600, 600	40	B, C	2(105)#
DK4	3554.6	22-12	Cu	2	8	250, 300	27	B, C	2(105)4, #
		26-12	Cu	1	8	250, 300	27	B, C	2(105)4, #
DK1S4	6444.6,	22-12	Cu	2	5.5	250, 300	10	B, D	2(105)#
		26-12	Cu	1	5.5	250, 300	10	B, D	2(105)#
	5872.6,								
	2848.6,								
	1014.6								
DK 4 Q/EN,DK 4 QV/EN	—	22-10 sol/str	Cu	2	4.42-8.85	150 300	30	C B, D	2(105), 4

DK4Q/35	5901.6	22-10	Cu	2	8	250, 300	27	B, C	2(105)#, 4
		26-10	Cu	1	8	250, 300	27	B, C	2(105)4, #
DK4QV/35	3636.6								
DK4/35	5276.6								
DK4/750	5239.6,	22-12	Cu	2	8	600, 600	27	B, C	2(105)4, #
	5263.6	26-12	Cu	1	8	600, 600	27	B, C	2(105)4, #
DK4/35/750	157270								
DK4S	6311.6,	22-12	Cu	2	8	250, 300	10	B, D	2(105)4, #
		26-12	Cu	1	8	250, 300	10	B, D	2(105)4, #
	6312.6								
DK4S/35	6865.6, 6866.6								
DK4SS/35	2171.6,	22-12	Cu	1	—	250, 300	10	B, D	2(105)4, #
		26-12	Cu	1	—	250, 300	10	B, D	2(105)4, #
	2970.6								
DK4T	3703.6,	22-12	Cu	2	8	250, 300	10	B, D	2(105)4, #
		26-12	Cu	1	8	250, 300	10	B, D	2(105)4, #
	3704.6,								
	5337.6,								
	5365.6								
DK4V/32	1675.6,								
	3711.6,								
	4750.6								
DK4V/35	6434.6,								
	6623.6								
DKT4/32	6873.6,	22-12	Cu	2	5.5	250, 300	10	B, D	2(105)4, #
		26-12	Cu	1	5.5	250, 300	10	B, D	2(105)4, #
	6742.6								
DKT4/35	6874.6,								
	6743.6								
DK4Q/32	5900.6,	22-12	Cu	2	8	250, 300	27	B, C	2(105)4, #
		26-12	Cu	1	8	250, 300	27	B, C	2(105)4, #
	5900.8								
DK4QV/32	5902.6,								
	5902.8								
MK7/18	2918-	22-18	Cu	2		250, 150	20	B, C	2(105)5
	2920, 2927-								
	2929, 4198-								
	4287								
MK8/2	3320.6	22-12	Cu	2	3.5	125	15	B, D	2(105)#
		26-14	Cu	1	3.5	125	15	B, D	2(105)#
MK8/3	3078.6								

MK8/4	3077.6								
MK8/10	3026.6								
MK8/3	3299.6	12-22	Cu	2	3.5	125, 300	15	B, D	2(105)#
MK8/4	3300.6	26-14	Cu	1	3.5	125, 300	15	B, D	2(105)#
MK8/4	3301.6								
BK2	—	22-12	Cu	2	7.7	300, 150	20	B, C	2(105)#
B8E, S8E	—	22-10 sol/str	Cu	2	7	300, 150	12.5	B,D C	2(105),4
BK3	—								
BK4	—								
BK6	—								
BK12	—								
BKLW2/VS	—	22-12	Cu	2	7.7	300, 150	20	B, C	2(105)#
BKLW3/VS	—	22-12	Cu	2	7.7	300, 150	20	B, C	2(105)#
BKLW4/VS	—	22-12	Cu	2	7.7	300, 150	20	B, C	2(105)#
BKLW6/VS	—								
BLKW12/VS	—								
KS2	—	22-12	Cu	2	5.5	250, 300	20	B, D	2(105)
KS4	—								
KS6	—								
KS10	—	24-12	Cu	2	5.5	250, 300	20	B, D	2(105)
MK4/16	—	22-12	Cu	2	8	250, 150	15	B, C	2(105)
	—								
	—								
	—								
TGS2/7	—	26-12	Cu	1	—	250, 300	10	B, D	2(105)
SAKC4	3406.2,	22-12	Cu	2	7	250, 300	25	B, C	2(105)
		26-12	Cu	1	7	250, 300	25	B, C	2(105)
	3407.2								
SAKC10	3240.2,	22-8	Cu	2	26	600, 600	25	B, C	2(105)
		26-8	Cu	1	26	600, 600	25	B, C	2(105)
	3241.2								
SAKC10/35	14045.2	22-8	Cu	2	26	600, 600	25	B, C	2(105)
		26-8	Cu	1	26	600, 600	25	B, C	2(105)
	14046.2								
SAKT1	5311.2	22-8	Cu	2	16	250, 300	25	B, C	2(105)
		26-8	Cu	2	16	250, 300	25	B, C	2(105)
SAKT2	3306.2	22-8	Cu	2	16	250, 300	25	B, C	2(105)
		26-8	Cu	1	16	250, 300			
SAKT4	2465.2,	22-12	Cu	2	7	250, 300	20	B, C	2(105), 4
		26-12	Cu	1	7	250, 300	20	B, C	2(105), 4

	2464.2,								
	2463.2,								
	2541.2,								
	2542.2,								
	2543.2,								
	2544.2,								
	3103.2,								
	5458.2								
SAKT1/35	1246.2,	22-8	Cu	2	16	250, 300	25	B, C	2(105)
		26-8	Cu	1	16	250, 300	25	B, C	2(105)
	1054.2,								
	1055.2,								
	1056.2,								
	1057.2,								
SAKTI/35	1058.2,	26-8	Cu	1	16	250, 300	25	B, C	2(105)
	1056.6,								
	1057.6								
SAKT2/35	1059.2,	22-8	Cu	2	16	250, 300	25	B, D	2(105)
		26-8	Cu	1	16	250, 300	25	B, D	2(105)
	1060.2								
SAKR	4121.6,	22-12	Cu	2	8	250, 300	10	B, D	2(105)
		26-12	Cu	1	8	250, 300	10	B, D	2(105)
	4121.2,								
	4121.8,								
	4122.6,								
	4122.2,								
	4122.8,								
	4123.6,								
	4123.2,								
	4123.8,								
	4127.6,								
	4127.2,								
SAKR	4127.8,	26-12	Cu	1	8	250, 300	10	B, D	2(105)
	4128.6,								
	4128.2,								
	4128.8,								
	6638.2,								
	6638.6,								
	6638.8								
SAKR-D	4130.6,	22-12	Cu	2	4.4	250, 300	10	B, D	2(105)
		26-12	Cu	1	4.4	250, 300	10	B, D	2(105)

	4131.6								
SAKR/35	1721.6,	22-12	Cu	2	8	250, 300	10	B, D	2(105)
		26-12	Cu	1	8	250, 300	10	B, D	2(105)
	1833.6								
RSF2	6231.2,	14-8	Cu	2	20	600	25	B, C	2(105)
	6238.2								
SAKRF	6636.6	22-12	Cu	2	8	250, 300	10	B, D	2(105)
		26-12	Cu	1	8	250, 300	10	B, D	2(105)
AKA2.5	—	22-12	Cu	2	3.8	250, 300	20	B, D	2(105)
		26-12		1					
AKB4	—	22-12	Cu	2	5.2	250, 300	27	B, D	2(105)
		26-12		1					
ADK1/1.5	—	22-12	Cu	2	8	250, 300	16	B, D	2(105)
		26-12		1					
MK7.5/3	—	22-12	Cu	2	5.5	250, 300	6	B, D	2(105)
		26-12		1					
MK10/14	—	22-12	Cu	1	4.5	250, 150	25	B, D	2(105)
MK10/14, MK10/1 through MK10/12	—	22-12	Cu	1	4.5	250, 150	10	B, D	2(105)
AGS7.5/2	—	22-12	Cu	2	8	250, 300,	16	B, D	2(105)
		26-12		1					
AGS7.5/3	—	22-12	Cu	2	8	250, 300,	16	B, D	2(105)
		26-12		1					
DK4/380Q	—	22-12	Cu	2	4.4	250, 300,	10	B, D	2(105)
		26-12		1					
AKE4	3802.6	18-12	Cu	2	8	—	—	—	2(105),4
		26-12	Cu	1	8	—	—	—	2(105),4
AKE2.5	13033.6	22-12	Cu	2	7	—	—	—	2(105)#18
		26-12	Cu	1	7	—	—	—	2(105)#18
EK2.5/35	4432.6,	22-12	Cu	2	8	—	—	—	2(105), #18
		26-12	Cu	1	8	—	—	—	2(105), #18
	6610.6								
NT2.5	3521.6,	22-12	Cu	2	8	250, 300	20	B, C	2(105)
		26-12	Cu	1	8	250, 300	20	B, C	2(105)
	3521.8,								
	4008.2,								
	4008.7								
NT2.5/35	4717.6	22-12	Cu	2	8	250, 300	20	B, C	2(105)
		26-12	Cu	1	8	250, 300	20	B, C	2(105)
	4717.7,								

	4717.8								
EK4	3545.6	22-12	Cu	2	20	—	20	—	2(105)#9
EK4	3545.6	26-12	Cu	1	20	—	20	—	2(105)# 9
NT6	3527.6,	22-8	Cu	2	20	250, 300	40	B, C	2(105)
		26-8	Cu	1	20	250, 300	40	B, C	2(105)
	3527.8,								
NT6	4009.2,	26-8	Cu	1	20	250, 300	40	B, C	2(105)
	4009.7								
NT6/35	5014.6,	22.8	Cu	2	20	250, 300	40	B, C	2(105)
		26.8	Cu	1	20	250, 300	40	B, C	2(105)
	5014.7								
EK10	1629.6,	14-8	Cu	2	20	—	—	—	2(105)#18
	3546.4								
NT10	4696.6,	14-8	Cu	2	20	250, 300	50	B, D	2(105)
	4696.8								
NT10/35	4718.6,	14-8	Cu	2	20	250, 300	50	B, D	2(105)
	4718.7,								
	4718.8								
EK16	3746.6	10-6	Cu	2	20	—	—	—	2(105)#18
NT16	3538.6,	10-6	Cu	2	20	250, 300	65	B, C	2(105)
	3538.8								
EK35	3547.6	6-2	Cu	2	20	—	100	—	2(105)#9
NT16/35	4992.8,	16-6	Cu	2	7	250, 300	65	B, C	2(105)
	4943.8,								
	4992.6,								
	13120.8								
NT16/32	4993.8,	16-6	Cu	2	7	250, 300	65	B, C	2(105)
	4993.6,								
	13121.8								
EK10/35	4434.6,	14-8	Cu	1	26.5	—	—	—	2(105)#18
	6613.6								
EK16/35	1901.6	10-6	Cu	2	26.5	—	—	—	2(105)#18
EK2.5N	4743.6	22-12	Cu	2	7	—	20	—	2(105)#9
		26-12	Cu	1	7	—	20	—	2(105)#9
EK35/35	6614.6	6-2	Cu	2	50	—	100	—	2(105)#9
EK4/35	4433.6,	22-12	Cu	2	12.5	—	—	—	2(105), #18
		26-12	Cu	1	12.5	—	20	—	2(105), #18
	6611.1								
EK6/35	3846.6,	22-8	Cu	2	16	—	40	—	2(105)#18

		26-12	Cu	1	16	—	40	—	2(105)#18
	6612.6								
SAKS3	2111.2	22-8	Cu	2	26	600	8	C	2(105)
		26-8	Cu	1	26	600	8	C	2(105)
	2489.2								
SAKS3/35	6674.2,								
	6675.2								
SAKS6	5318.2								
SAKS5	—	14-6	Cu	2	18	600	40	C	2(105)#19
SAKS7	5731.2,	26-8	Cu	1	26	600	8	C	2(105)
	5761.2								
KSK1	389742	22-8	Cu	2	17	600	10	C	2(105)
KSK1/35		26-8	Cu	1	17	600	10	C	2(105)
	389782								
KSKM/32	950957,	26-8	Cu	1	17	600	10	C	2(105)
	950958,								
	950959								
KSKM/35	950960,								
	950961,								
	950962								
KSK2	389752	22-8	Cu	2	17	600	15	C	2(105)
		26-8	Cu	1	17	600	15	C	2(105)
KSK2/35	389792								
KSK3	389762								
KSK3/35	389802								
KSK3/F	389772								
KSK3F/35	389812								
EKST12/4	3209.0,	22-12	Cu	2	8	250, 300	20	B, C	2(105)
	4173.0-								
	4183.0								
EKS12/4	1949.0,								
	4150.0-								
	4160.0								
EKL12/4	2063.0,								
	4162.0-								
	4172.0								
EKLW12/4	5282.0								
EKLW1/4	5481.0								
EKLW2/4	5482.0								
EKLW3/4	5483.0	22-12	Cu	2	8	250, 300	20	B, C	2(105)
EKLW4/4	5484.0								

EKLW5/4	5485.0								
EKLW6/4	5486.0								
EKLW7/4	5487.0								
EKLW8/4	5488.0								
EKLW9/4	5489.0								
EKLW10/4	5490.0								
EKLW11/4	5491.0								
MK3/1 through MK3/12 MK3/2/E through MK3/12/E	—	22-12	Cu	2	8	300, 300,	20	B, C, D	2(105)
	—					600			
MKL3/1, may or may not be followed by WA or SE through MKL3/12, may or may not be followed by WA or SE	—	Line:	Cu	2	8	250, 300	20	B, C	2(105)#
	—	22-12							
	—	Load:	Cu	1	8	250, 300	20	B, C	2(105)#
	—	22-16							
MK6/2, MK6/2/E	—	22-10	Cu	2	20	250, 300	30	B, C	2(105)
MK6/3, MK6/3/E	—								
MK6/4, MK6/4/E	—								
MK6/5, MK6/5/E									
MK6/6, MK6/6/E	—								
ADK2	4015	14-6	Cu	2	26.5	600	55	B, C	2(105)
KB10/10	3531,								
	3532								
KB10/35-10	5539								
SAKK10	950261								
DUSA4	4021	22-12	Cu	2	7	600	20	B, C	2(105)##
KB2.5/10	3225,	22-12	Cu	2	7	600	20	B, C	2(105)##
	3228	26-12	Cu	1	7				
KB2.5/35-10	4994								
KB2.5/10EN	2187,	22-12	Cu	2	12.5	300, 250	20	C, B	2(105)##
	3902	26-12	Cu	1	12.5	300, 250	20	C, B	2(105)##
KB4/10	3088,	22-10	Cu	2	12.5	600	30	B, C	2(105)
	3226								
KB4/10EN	4675								
KB4/35-10	5304								
KB6/10	3227	22-8	Cu	2	16	600	35	B, C	2(105)
		26-8	Cu	1	16	600	35	B, C	2(105)
KB6/10EN	2129								
KB6/35-10	5305								

SAK2.5	2796	22-12	Cu	2	7	600	20	B, C	2(105)#
		26-12	Cu	1	7	600	20	B, C	2(105)#
SAK2.5/35	3804	26-12	Cu	2	7	600	20	B, C	2(105)#
SAKD2.5/35	2688	22-12	Cu	2	7	250, 300	20	B, C	2(105)#
		28-12	Cu	1	7	250, 300	20	B, C	2(105)#
SAK2.5N	2155	28-12	Cu	1	—	250, 300	20	B, C	2(105)#
SAK2.5EN	2186								
SAK4	1283	22-10	Cu	2	12.5	600, 600	30	B, C	2(105)
		26-12	Cu	1	12.5	600, 600			
SAK4/35	4436								
SAK4/EN	4674								
SAK4S	4012,	22-12	Cu	2	12.5	250, 300	13	B, C	2(105)
		26-12	Cu	1	12.5	250, 300	13	B, C	2(105)
	4795								
SAK4S/35	6303								
SAK4SS	3529,	26-12	Cu	1	—	300, 300	25	B, C	2(105)
	4796								
SAK4SS/35	6304								
SAK4TAA	912458	22-12	Cu	2	7	600, 600	20	B, C	2(105)
SAK6EN	2128	22-8	Cu	2	16	600, 600	40	B, C	2(105)
		26-8	Cu	1	16	600, 600	40	B, C	2(105)
SAK6N	1932								
SAK6/35	3805								
SAK10, SAK10 /EN	1100,	14-6	Cu	2	26.5	600, 600	60	B, C	2(105)
	1628								
SAK10/35	4437								
SAK16, SAK16 /EN	2710	12-4	Cu	2	26.5	600, 600	80	B, C	2(105)
SAK16/35	3806	12-4	Cu	2	26.5	600, 600	80	B, C	2(105)
SAK35	3035	6-2	Cu	2	53	600, 600	105	B, C	2(105)
SAK35/EN	—	12-2	Cu	2	35.4	600	115	C	2(110), 4
SAK35/35	3807								
SAK35N	5506,	12-2	Cu	2	53	600, 600	100	B, C	2(105), 4
	5557								
SAK35N/35	6082,								
	6083								
SAK70	3408	4-2/0	Cu	2	100	600, 600	150	B, C	2(105), 4
SAK70/35	1391								
SAKK4	950260	22-10	Cu	2	12.5	600, 600	30	B, C	2(105), 4
		26-12	Cu	2	12.5	600, 600	30	B, C	2(105), 4
OSC4	—	22-12	Cu	2	7	600, 600	20	B, C	2(105)#, 12

		26-12	Cu	1	7	600, 600	20	B, C	2(105), 4
OSC10	—	22-8	Cu	2	17.7	600, 600	47	B, C	2(105), 4
OSC16	—	14-6	Cu	2	19.4	600, 600	65	B, C	2(105), 4
S1.6/1	3838.6	20-16	Cu	1	—	125	10	B, C	2(105)#
S1.6/2	3549.6								
S1.6/4	3550.6								
S1.6D/2	3625.6								
S1.6D/4	3555.6								
S1.6D/5	4002.6								
S1.6GS	3676.6								
GS5/2	4109.6,	22-14	Cu	2	7	250, 150	15	B, C, D	2(105)
	4880.6	26-14	Cu	1	7	250, 150,	15	B, C, D	2(105)
						300			
GS5/3	4108.6,								
	4881.6								
GS5/4	4382.6,								
	4882.6								
GS5/10	4596.6,	26-14	Cu	1	7	250, 150,	15	B, C, D	2(105)
	4883.6					300			
GSD5/8	4640.6,								
	5555.6								
GSE6/2	1464.6,	22-12	Cu	2	5.5	250, 150,	15	B, C, D	2(105)
						300			
	1460.6	26-12	Cu	1	5.5	250, 150,	15	B, C, D	2(105)
						300			
GSE6/3	1465.6,								
	1461.6								
GSE6/4	1466.6,								
	1462.6								
AST1	4782.2,	—	Cu	1	—	250, 300	13	B, C	2(105)#
	2663.2,								
	2663.6,								
	4782.6								
AST1/35	6648.6,	—	Cu	1	—	250, 300	13	B, C	2(105)#
	6996.6								
AST3/35	4793.6,	—	Cu	1	—	250, 300	13	B, C	2(105)#
	4603.6								

AST4	4391.2,	22-12	Cu	2	10.5	250, 300	20	B, C	2(105)
	3212.2	26-12	Cu	1	10.5	250, 300	20	B, C	2(105)
AST4/35	4794.6,								
	4604.6								
ASK1/ EN	—	22-12	Cu	2	8	250, 300	10	B, C	2(105)
		26-12	Cu	1	8	250, 300	10	B, C	2(105)
SAKS1	—	22-10	Cu	2	26	600	6	B, C	2(105)
		26-8	Cu	1	26	600	6	B, C	2(105)
	1217.2,								
	2260.2,								
	2139.2,								
	2140.2								
SAKS1/35	5016.2	22-10	Cu	2	26	600	6	B, C	2(105)
		26-8	Cu	1	26	600	6	B, C	2(105)#10
SAKS4	3214.2,	22-8	Cu	2	26	600	30	B, C	2(105)#10
	1622.2	26-8	Cu	1	26	600	30	B, C	2(105)#10
SAKS4/35	5020.2,	22-8	Cu	2	26	600	30	B, C	2(105)#10
	1782.2	26-8	Cu	1	26	600	30	B, C	2(105)#10
KDKS1	Top:	22-12	Cu	2	5.5	250,	10	C	2(105)4
	950330								
	Bottom:					300	20		
	Top:	26-12	Cu	1	5.5	250,	10	B, C	2(105)4, #9
	Bottom:					300	20		
KDKS1,	950331								
KDKS1/EN,	950332								
KDKS1/PE	—								
KDKS1/EN4,	950335	26-12	Cu	1	5.5	250, 300	10, 20	B, C	2(105),4
KDKS 1EN//SMT 10-60VAC/DC BFI H-,		22-12	Cu	2	5.5	250, 300	10, 20	B, C	2(105),4
KDKS 1EN//SMT 100-250V AC/DC BFI H- KDKS 1EN//LLC 10-36 VAC/DC, KDKS 1EN//LLC 30-70 VAC/DC, KDKS 1EN//LLC 60-150 VAC/DC, KDKS 1EN//LLC 100-250 VAC/DC		2x AWG 14, 3x AWG 16, 3x AWG 18, 4x AWG 20, 4x AWG 22, 4x AWG 24, 4x AWG 26, 4x AWG 28, 4x AWG 30	Cu	2	5.5	250, 300	10, 20	B, C	2(105),4
KDKS1/PE35,	—	26-12	Cu	1	5.5	250, 300	10, 20	B, C	2(105),4
KDKS 1PE/SMT 10-60VAC/DC BFI H-,		22-12	Cu	2	5.5	250, 300	10, 20	B, C	2(105),4

KDKS 1PE/SMT 100-250 VAC/DC BFI H-KDKS1PE/LLC10-36VACDC, KDKS1PE/LLC30-70VACDC, KDKS1PE/LLC60-150VACDC, KDKS1PE/LLC100-250VACDC		2x AWG 14, 3x AWG 16, 3x AWG 18, 4x AWG 20, 4x AWG 22, 4x AWG 24, 4x AWG 26, 4x AWG 28, 4x AWG 30	Cu	2	5.5	250, 300	10, 20	B, C	2(105),4
MF1/6	2133.2,	—	Cu	1	—	250, 300	10	B, C	2(105)#
	2163.2,								
	4796.4,								
	4800.2								
MF1/3	2164.2,								
	2165.2,								
	4798.2,								
	4801.2								
MF1/12	2006.2,								
	2067.2,								
	4799.2,								
	4802.2								
MK1/3 SL/RA	2616.2,	24-12	Cu	2	8	250, 300	10	B, C	2(105), 4
	—								
MK1/12 SL/RA	—								
	—								
MK1/18 SL/RA	—								
	—								
MK1/22 SL/RA	—								
	—								
MK2/12	—								
MK2/12 SL/WA	—								
MK2/12 SL/UN	—								
MKL2/12	—								
GSF5/10	4088.6,	22-16	Cu	1	—	250, 300	8	B, C	2(105)#
	4089.6								
TOP1.5GS	6439.6,	22-14	Cu	2	4.5	250, 300	10	B, C	2(105)
may be		26-14	Cu	1	4.5	250, 300	10	B, C	2(105)
followed by									
5.08 or 7.62,									
may be followed									
by /90 or /180									
TOP1.5GS(1)	—	26-14	Cu	2	4.5	300	10	B, C	2(105), 4, #

Note: (1): followed by /2.24, followed by /90 or /180, followed by 2STI, 1STI1 or 1STI2

TOP1.5GS2	4885.6,	22-14	Cu	2	4.5	250, 300	10	B, C	2(105)
		26-14	Cu	1	4.5	250, 300	10	B, C	2(105)
	4888.6								
TOP1.5GS3	4886.6,	22-14	Cu	2	4.5	250, 300	10	B, C	2(105)
		26-14	Cu	1	4.5	250, 300	10	B, C	2(105)
	4889.6								
TOP1.5GS4	4887.6,	22-14	Cu	2	4.5	250, 300	10	B, C	2(105)
		26-14	Cu	1	4.5	250, 300	10	B, C	2(105)
	4890.6								
ADK1S	4785.6,	12	Cu	1	—	250, 300	18	B, C	2(105)#
	4761.6								
ADK1F	4760.6,	22-14	Cu	2	8	250, 300	18	B, C	2(105)
		26-14	Cu	1	8	250, 300	18	B, C	2(105)
	4786.6								
ADK1T	3662.6,	26-12	Cu	1	—	250, 300	10	B, C	2(105)#
	3663.6								
LMT,	—	26-14	Cu	2	4.5	300, 150,	10A	B, C,	2(105),
LMTE						300		D	4
PCF5.0V	950041-	22-14	Cu	1	—	150, 300	15	B, D	2(105)#
followed by	950049,								
02-19,	950051-								
may be	950059								
followed by /90									
or /180									
PCF5.0H06									
PCF7.5V,	950062-	22-14	Cu	1	—	250, 150,	15	B, C, D	2(105)#
followed by	950069,					300			
02-13,	950071-								
may be	950074								
followed by /90									
or /180									
PCF7.5/45/04									
PCF7.5H05									
PCF10V	950075	22-14	Cu	1	—	250, 300	15	B, C, D	2(105)#
followed by	950079,					600			
2-10,	950081-								
may be	950084								
followed by /90									

or /180									
PCF10403									
IAKT2.5	6412.8	22-12	Cu	2	8	250, 300	26	B, C	2(105),4
		26-12	Cu	1	8	300	26	B, C	2(105),4
IAK 1.5 N 3L	—	24-16	Cu	2	—	300	10	B, C, D	2(105),4
1AK2.5	5146.5,	22-12	Cu	2	8	600, 600	26	B, C	2(105)
	5146.6,	26-12	Cu	1	8	600, 600	26	B, C	2(105)
	5146.8,								
	5339.6								
IAK6	5193.5,	22-8	Cu	2	14.5	600, 600	46	B, C	2(105)
	5193.6,	26-8	Cu	1	14.5	600, 600	46	B, C	2(105)
	5193.8								
BL 5-08, 5.00 2-		22-12	Cu	2	5.5	125	10	B, D	2(105)#
BL 5.08, 5.00 16		26-12	Cu	1	5.5	125	15	B, D	2(105)#
BL 5.08, 5.00 16									
BL 5.08, 5.00 16	5097.6,	26-12	Cu	1	5.5	125	15	B, D	2(105)#
BLH 5.08 2-		22-12	Cu	2	5.5	50, 50	10	B, D	2(105)#
		26-12	Cu	1	5.5	50, 50	10	B, D	2(105)#
BLH 5.08, 5.00 12									
BL 5.08, 5.00 2/TOP-		22-14	Cu	2	4.5	300	10	B, D	2(105)#
		26-14	Cu	1	4.5	300	10	B, D	2(105)#
BL 5.08, 5.00 12/TOP									
SL 5.08, 5.00 2-		—	—	—	—	125	10	B, D	2(105)#
SL 5.08, 5.00 15									
GSE5/1-		12-22	Cu	2	4.5	300	10	D	2(105), 4
		26-12	Cu	1	4.5	300	10	B, D	2(105), 4
GSE5-24									
GSE5.08/1-									
GSE5.08/24									
GSE5TR	2600.6								
GSED5/8	6323.6								
GSED5/16	6360.6								
GSED5/24	6361.6								
GSED5/32	6362.6								
LME5.08	—	14-22	Cu	2	4.5	300	10	B, D	2(105), 4
		14-26	Cu	1	4.5	300	10	B, D	2(105), 4
SB4.8S	4020.6	26-12	Cu	1	8	600	16	B, C	2(105)
SB4.8S/3	4138.6								
SB4.8S/6	4137.6								
SB4.8/2	3476.6	—	—	1	—	600	10	B, C	2(105)

SB4.8/4	3477.6	—	—	1	—	600	10	B, C	2(105)
SAKL4/20	5240.6	22-12	Cu	2	10.5	250, 300	120	B, C	2(105)
		26-12	Cu	1	10.5	250, 300	120	B, C	2(105)
SAKL4/20L	5728.2								
SAKL4/20R	5262.6								
RSF3	4975.2,	22-12	Cu	2	8	600	20	C	2(105)
	4975.6	26-12	Cu	1	8	600	20	C	2(105)
SAK4SL	5168.6	18-12	Cu	2	10.5	600	10	C	2(105)
		22-12	Cu	1	10.5	600	10	C	2(105)
SP10	4562.2	—	—	2		600, 600	16	B, C	2(105)
SP60	3403.2								
SP90	2481.2								
SP10L	4805.2,	—	—	2	—	250, 300	10	B, C	2(105)#
	5507.2								
SP60L	3437.2								
SP90L	2482.2								
S S120 SIE	—	20 - 8 (power) flexible	Cu	2	10.6	600 ac/dc	33.5	B,C,D	2(120),4
		24 - 14 (signal) flexible			6.2	300 ac/dc	3	B,D	
						150 ac/dc		C	
BUST S120 SIE (power)	—	—	—	1	—	300 ac/dc	33.5	B,C	2(120),4
						600 ac/dc		D	
BUST S120 SIE (signal)	—	—	—	1	—	300 ac/dc	3	B,D	2(120),4
						150 ac/dc		C	
DSK1.5/10	5328.6,	22-16	Cu	2	—	600	10	B, C	2(105)
		26-14	Cu	1	—	600	10	B, C	2(105)
	5355,								
	6642.6								
DSK1.5/20D	5714.6	22-16	Cu	2	—	250, 300	10	B, C	2(105)
DSG1.5/ may be followed		26-14	Cu	1	—	250, 300	10	B, C	2(105)
by 1-10, may be followed									
by /90 or /180									
BK2 CRN,	—	22-12	Cu	2	8	150, 250	20	C, B	2(105)#
						300	10	D	
		26-12	Cu	1	8	150, 250	20	C, B	2(105)
	—					300	10	D	
BK3 CRN	—								
	—								

BK4 CRN	—								
BK6 CRN	—								
BK12 CRN	—								
BKK3	—								
BKLW2	—								
BKLW3	—								
BKLW4	—								
BKLW6	—	26-12	Cu	1	8	150, 250	20	C, B	2(105)
BKLW12	—								
BKST2	—								
BKST3	—								
BKST4	—								
BKST6	—								
BKST12	—								
EKS1/4	6246.0,	22-12	Cu	2	8	250, 300	20	B, C	2(105)#
		26-12	Cu	1	8	250, 300	20	B, C	2(105)#
	6246.6								
EKS2/4	6245.0,								
	6245.6								
EKLW4/4	6275.0,	26-12	Cu	1	8	250, 300	20	B, C	2(105)#
	6275.6								
EKLW5/4	6274.0,								
	6274.6								
EKLW6/4	6273.0,								
	6273.6								
EKLW7/4	6272.0,								
	6272.6								
EKLW8/4	6271.0,								
	6271.6								
EKLW9/4	6270.0,								
	6270.6								
EKLW10/4	6269.0,								
	6269.6								
EKLW11/4	6268.0,	26-12	Cu	1	8	250, 300	20	B, C	2(105)#
	6268.6								
EKLW12/4	6267.0,								
	6267.6								
EKST1/4	6290.0,								
	6290.6								
EKST2/4	6289.0,								
	6289.6								

EKST3/4	6288.0,								
	6288.6								
EKS3/4	6244.0,								
	6244.6								
EKS4/4	6243.0,								
	6243.6								
EKS5/4	6242.0,								
	6242.6								
EKS6/4	6241.0,								
	6241.6								
EKS7/4	6240.0,	26-12	Cu	1	8	250, 300	20	B, C	2(105)#
	6240.6								
EKS8/4	6239.0,								
	6239.6								
EKS9/4	6238.0,								
	6238.6								
EKS10/4	6237.0,								
	6237.6								
EKS11/4	6236.0,								
	6236.6								
EKS12/4	6235.0,								
	6235.6								
EKLW1/4	6278.0,								
	6278.6								
EKLW2/4	6277.0,								
	6277.6								
EKLW3/4	6276.0,								
	6276.6								
EKST4/4	6287.0,	26-12	Cu	1	8	250, 300	20	B, C	2(105)#
	6287.6								
EKST5/4	6286.0,								
	6286.6								
EKST6/4	6285.0,								
	6285.6								
EKST7/4	6284.0,								
	6284.6								
EKST8/4	6283.0,								
	6283.6								
EKST9/4	6282.0,								
	6282.6								
EKST10/4	6281.0,								

	6281.6								
EKST11/4	6280.0,								
	6280.6								
EKST12/4	6279.0,								
	6279.6								
DSG1.5E/1	1001.6	22-16	Cu	2	—	300, 250	10	D, B	2(105)#
		26-14	Cu	1	—	300, 250	10	D, B	2(105)#
DSG1.5E/2	1002.6								
DSG1.5E/3	1003.6								
DSG1.5E/4	1004.6								
DSG1.5E/5	1005.6								
DSG1.5E/6	1006.6								
DSG1.5E/7	1007.6								
DSG1.5E/8	1008.6								
DSG1.5E/9	1009.6								
DSG1.5E/10	1010.6								
OK4/32	1578.6	22-12	Cu	2	—	600	20	C	2(105)4, #
		22-12	Cu	1	—	600	20	C	2(105)4, #
OK4/35	1579.6								
OK2.5/32	1576.6	22-14	Cu	2	—	600	15	C	2(105)4, #
		22-12	Cu	1	—	600	20	C	2(105)4, #
OK2.5/35	1577.6								
OKS2.5/32	12662.6								
OKS2.5/35	12657.6								
OKSE2.5/35	12658.6								
OKE2.5/35	12656.6								
AKZ2.5	6971.6	22-12	Cu	2	4.5	250, 300	10	B, D	2(105), 4
		26-12	Cu	1	4.5	250, 300	10	B, D	2(105), 4
AKZ2.5GS	6968.6,	22-12	Cu	2	4.5	250, 300	10	B, D	2(105), 4#
		26-12	Cu	1	4.5	250, 300	10	B, D	2(105), 4#
	6969.6								
AKZ2.5K	6954.6-								
	6966.6								
	1088.6-								
	1091.6								
BE5/1	1726.6	22-14	Cu	2	F	250, 300	10	B, D	2(105)
		26-12	Cu	1	7	250, 300	10	B, D	2(105)
	1727.6,								
	1457.6,								
	1458.6								
BE5/2	2311.6,								

	2329.6,								
	12736.6								
BE5/3	2312.6,								
	2330.6,								
	13257.6								
BE5/4	2313.6,								
	2331.6,								
	12737.6								
BE5/5	2314/6,	26-12	Cu	1	7	250, 300	10	B, D	2(105)
	2332.6,								
	12378.6								
BE5/6	2315.6,								
	2333.6,								
	12739.6								
BE5/7	2316.6,								
	2334.6								
BE5/8	2317.6,								
	2335.6								
BE5/9	2318.6,								
	2336.6								
BE5/10	2319.6,								
	2337.6								
SE5/1	1724.6,		—	1	—	250, 300	10	B, D	2(105), #
	1725.6,								
	1455.6,								
	1456.6,								
SE5/2	2320.6,								
	2338.6,								
	12740.6								
SE5/3	2321.6,								
	2339.6,								
	13258.6								
SE5/4	2322.6,								
	2340.6,								
	12741.6								
SE5/5	2323.6,		—	1	—	250, 300	10	B, D	2(105), #
	2341.6,								
	12742.6								
SE5/6	2324.6,								
	2342.6,								
	12743.6								

SE5/7	2325.6,								
	2343.6								
SE5/8	2326.6,								
	2344.6								
SE5/9	2327.6,								
	2345.6								
SE5/10	2328.6,								
	2346.6								
SGE5/2	2311.6,		—	1	—	250, 300	10	B, D	2(105), #
	2320.6,								
	2329.6,								
	2338.6								
SGE5/3	2312.6,								
	2321.6,								
	2330.6,								
	2339.6								
SGE5/4	2313.6,								
	2322.6,								
	2331.6,								
	2340.6								
SGE5/2	2314.6,		—	1	—	250, 300	10	B, D	2(105), #
	2323.6,								
	2332.6,								
	2341.6								
SGE5/6	2315.6,								
	2324.6,								
	2333.6,								
	2342.6								
SGE5/7	2316.6,								
	2325.6,								
	2334.6,								
	2343.6								
SGE5/8	2317.6,								
	2326.6,								
	2335.6,								
	2344.6								
SGE5/9	2318.6,		—	1	—	250, 300	10	B, D	2(105), #
	2327.6,								
	2336.6,								
	2345.6								
SGE5/10	2319.6,								

	2328.6,								
	2337.6,								
	2346.6								
STA2.5/1	1596.6,	22-12	Cu	2	10.5	250,	10	B,	2(105), #
						600,	5	D,	
						300	10	D	
		26-12	Cu	1	10.5	250,	10	B,	2(105), #
						600,	5	D,	
						300	10	D	
STA2.5/2	1597.6	26-12	Cu	1	10.5	250,	10	B,	2(105), #
	1658.6					600	5	D,	
STA2.5/3	1659.6					300	10	D	
STA2.5/4	1903.6								
STA2.5/5	1660.6								
AST4	2371.6								
AST4/35	4794.6								
TOP4GS, may be followed by /1 through /12, may be followed by /90 or /180, may be followed by /7.62	—	22-10	Cu	2	5.5	300, 300	30, 10	B, D	2(105), 4
	—	22-10	—	—	—	150	15	D	2(105), 4
	—	22-10	—	—	—	150,50	30	C	2(105), 4
	—	26-10	Cu	1	5.5	300, 300	30, 10	B, D	2(105), 4
	—	26-10	—	—	—	150	15	D	2(105), 4
	—	26-10	—	—	—	150,50	30	C	2(105), 4
TOP4GS may be followed by /1 through /12, may be followed by /90 or /180, may be followed by /6.35	—	22-10	Cu	2	5.5	300,	30	B	2(105),4
	—	22-10	—	—	—	300, 150	10, 15	D	2(105), 4
	—	26-10	Cu	1	5.5	300,	30	B,	2(105),4
	—	26-10	—	—	—	300, 150	10,15	D	2(105), 4
Note: All above TOP Series may be provided with AP (Cat. No. 2883) end plate.									
WDK2.5,	10215	22-12	Cu	2	4.5-7.1	600	20	B, C	2(105)#
WDK2.5E,		30-24 Sol	Cu	2	4.5-7.1	600	20	B, C	2(105)#
WDK2.5ZQV,		(2)No.14-16 sol/Str	Cu	2	4.5-7.1	600	20	B, C	2(105)#
WDK2.5/R249,		(3)No. 18 sol/Str	Cu	2	4.5-7.1	600	20	B, C	2(105)#
WDK2.5 1R,		(4)No.20-30 sol/Str	Cu	2	4.5-7.1	600	20	B, C	2(105)#
1K8/0.5W,									
WDK2.5 1D A1,									
WDK2.5 1D A2,									
WDK2.5/MOV,									
WDK 2.5/1D, WDK 2.5/1D, WDK 2.5/1D,WDK 2.5/2D									

WDK 2.5/TR-DU-PE/O TNHE, WDK 2.5/TR-DU-PE	—	24-12 Str	Cu	2	4.4	300	20	C	2(110), 4
WDK 2.5/TR-DU/O TNHE WDK 2.5/TR-DU		(4) No. 22 sol/str	Cu	2	4.4	300	12	C	2(110), 4
WDK 2.5/TR-DU/O TNHE STB WDK 2.5/TR-DU STB		(4) No. 22 sol/str	Cu	2	4.4	300	20	C	2(110), 4
WDK 2.5/TR-DU-PE/O TNHE STB WDK 2.5/TR-DU-PE STB		(3) No. 18 sol/str	Cu	2	4.4	300	20	C	2(110), 4
WDK 2.5/TR-PE/O TNHE MOV WDK 2.5/TR-PE MOV		(2) No. 16 sol/str	Cu	2	4.4	300	20	C	2(110), 4
WDK 2.5/TR-PE/O TNHE MOV STB WDK 2.5/TR-PE MOV STB									
WDK 2.5/TR-DU/O TNHE MOV WDK 2.5/TR-DU MOV									
WDK 2.5/TR-DU/O TNHE MOV STB WDK 2.5/TR-DU MOV STB,		30-12 Sol	Cu	2	4.4	300	20	C	2(110), 4
WDK 2.5/TR-DU WDK 2.5/TR-DU Stb	—	24-12 Str	Cu	2	4.4	300	20	C	2(110), 4, #21
WDK 2.5/TR-DU MOV WDK 2.5/TR-DU MOV Stb									
WDK 2.5/TR-DU-PE									
WDK 2.5/TR-PE MOV WDK 2.5/TR-PE MOV Stb									
WDK 2.5/TR-DU-PE Stb		30-12 Sol	Cu	2	4.4	300	20	C	2(110), 4, #21
WDK2.5F	10216	22-12	Cu	2	4.5-7.1	300	10	B, C	2(105)#
		(3)No. 18 sol/Str	Cu	2	4.5-7.1	300	10	B, C	2(105)#
		(4)No.20-30 sol/Str	Cu	2	4.5-7.1	300	10	B, C	2(105)#
WDK2.5FV	10224	22-12	Cu	2	4.5-7.1	300	10	B, C	2(105)#
WDK2.5FF	10217	22-14	Cu	2	—	300	10	B, C	2(105)#
WDK2.5FFV	10225	22-14	Cu	2	4.5-7.1	300	10	B, C	2(105)#
WDK2.5V	10223	22-12, No. 30-24 sol. (2)No.14-16 sol/str. (3) No. 18 sol/str. (4)No.20-30 sol/str	Cu	2	4.5-7.1	600	20	B, C	2(105)#
WDK2.5DU/PE	—	22-12	Cu	2	4.5-7.1	300	20	B, C	2(105), #18
		26-12	Cu	1	4.5-7.1	300	20	B, C	2(105), #18

		(2)No.14-16 sol/Str	Cu	2	4.5-7.1	300	20	B, C	2(105), #18
		(3)No. 18 sol/Str	Cu	2	4.5-7.1	300	20	B, C	2(105), #18
		(4)No.20-30 sol/Str	Cu	2	4.5-7.1	300	20	B, C	2(105), #18
WDK2.5PE	—	22-12, (2)No.14-16 sol/str. (3) No. 18 sol/str. (4)No.20-30 sol/str.	Cu	2	4.5-7.1	—	—	—	2(105), #18
		26-12	Cu	1	4.5-7.1	—	—	—	2(105)
B2CF (*)	—	30- 16 sol/str	Cu	2	—	300	9.5	B,D	2(120),4
							50	C	
S2C (*) *S2CD (*)*	—	—	Cu	1	—	150	9.5	B	2(130)
							50	C,D	
RTBT	—	22-16 sol/str	Cu	2	3.54	300	10	D	2(120),4
RTBF	—	22-16 sol/str	Cu	2	—	300	10	D	2(120),4
RTBT....SH	—	22-14 sol/str	Cu	2	3.54	300	10	D	2(120),4
RTBF....SH	—	22-14 sol/str	Cu	2	—	300	10	D	2(120),4
Note: (*) - All Types followed by - special design of device or blank, followed by pitch, followed by special performance type or blank, followed by number of poles, followed by angle, followed by mounting means or blank, followed by special feature or blank, followed by solder pin length or blank, followed by 2 through 5 letters denoting color of insulating material, followed by kind of package or blank, followed by special identification or blank, followed by additional special identification or blank.									
WDK2.5N, WDK2.5N V,	—	26-12	Cu	2	3.6	600	20	B, C	2(105)#
WDK2.5N DU-PE, WDK2.5NPE	—	26-12	Cu	2	3.6	—	—	—	2(105), #18
WDK4N, WK4N V, WDK4N DU-PE (1)	—	26-10 Multiple wire, Cu, 2 x 14 sol/str 3 x 16 sol/str 3 x 18 sol/str 4 x 20 sol/str 4 x 22 stranded only	Cu	2	4.5	600	30	B, C	2(105)#

WDK4N PE	—	26-10 2 x 14 sol/str 3 x 16 sol/str 3 x 18 sol/str 4 x 20 sol/str 4 x 22 sol/str	Cu	2	4.5	—	—	—	2(105), #18
WDK4N DU-PE	—	26-10	Cu	2	4.5	—	—	—	2(105), #18
Note: (1) - Multiple wire for upper connectors of terminal block model WDK4N DU-PE only. Current-, voltage-, and use group rating assigned for upper connectors of model WDK4N DU-PE only. Lower connectors are protective conductor terminals.									
WDK 10[1,2] , WDK 10 DU-N1[1,2,3]	—	18-6 sol/str	Cu	1 2	13.28 -21.24	600	40# 30	B,C,D	2(115),4
WDK 10 V[1]	—	18-6 sol/str	Cu	1	13.28 -21.24	600	49##	B,C,D	2(115),4
WDK 10 V[2]	—	18-10 sol/str	Cu	1 2	13.28 -21.24	600	42# 30	B,C,D	2(115),4
WDK 10 L	—	18-6 sol/str	Cu	1 2	13.28 -21.24	1000	70 65	E	2(115),4
WDK 10 DU-PE[2]	—	18-6 sol/str	Cu	1 2	13.28 -21.24	600	40# 30	B,C,D	2(115),4
WDK 10 PE, WDK 10 DU-PE[1,4]	—	18-6 sol/str	Cu	2	13.28 -21.24	—	—	B,C,D	2(115),4
Note: [1] - The lower level of this Terminal block is rated for a maximal wire size of 6 AWG str.									
Note: [2] - The upper level of this Terminal block is rated for a maximal wire size of 10 AWG sol/str and 40 A.									
Note: [3] - The lower Level of this Terminal Block is a Neutral Conductor Level colored blue.									
Note: [4] - The lower Level of this Terminal Block is a Protective Earth Level colored green/yellow.									
Note: # - These current values were tested using wire size 10 AWG.									
Note: ## - This current value is valid for upper level to lower level. The upper level of this Terminal block is rated for a maximal wire size of 10 AWG, the lower level for 6 AWG.									
WDU2.5	102500	28-12 str	Cu	2	4.5-7.1	600	#25	B, C	2(105), 4
		(2) No. 14 sol/Str	Cu	2	4.5-7.1	600	#25	B, C	2(105), 4
		(3) No. 16 sol/Str	Cu	2	4.5-7.1	600	#25	B, C	2(105), 4
		(3) No. 18 sol/Str	Cu	2	4.5-7.1	600	#25	B, C	2(105), 4
		30-12 Sol	Cu	2	4.5-7.1	600	#25	B, C	2(105), 4
		(4) 30-20 sol/Str	Cu	2	4.5-7.1	600	#25	B, C	2(105), 4
WDU2.5F	10218	22-12	Cu	2	4.5-7.1	250, 300	16	B, C	2(105)#

		(2)No.14 sol/str,	Cu	2	4.5-7.1	250, 300	16	B, C	2(105)#
		(3)No. 16-18 sol/Str	Cu	2	4.5-7.1	250, 300	16	B, C	2(105)#
		(4)No.20-30 sol/Str	Cu	2	4.5-7.1	250, 300	16	B, C	2(105)#
WDU2.5FF	10219	22-14	Cu	2	4.5	250, 300	16	B, C	2(105)#, 4
WDK2.5/BLZ5.08	—	22-12	Cu	2	4.5-7.1	300	20, 10	B, D	2(105)#
		(2)No.14-16 sol/Str	Cu	2	4.5-7.1	300, 300	20, 10	B, D	2(105)#
		(3)No. 18 sol/Str	Cu	2	4.5-7.1	300, 300	20, 10	B, D	2(105)#
		(4)No.20-30 sol/Str	Cu	2	4.5-7.1	300, 300	20, 10	B, D	2(105)#
WDK 2.5/BLZ/5.08/ZA, WDK 2.5/BLZ/5.08/ZA V		26 - 12 sol/str	Cu	2	4.5	300, 300	20, 10	B, D	2(105)#
WDK2.5/BLZ/32		26-12	Cu	1	4.5-7.1	250, 300	10	B, C	2(105)#
WDU2.5ZR	10247,	Line:	Cu	2	5	300	20	B, C	2(105)#, 4
	10275,	22-12							
	10276,	Load:	Cu	2	5	300	10	B, C	2(105)#, 4
	10278,	22-14							
	10279								
		Line:	Cu	1	—	300	20	B, C	2(105)#, 4
		26-12							
		Load:	Cu	1	—	300	10	B, C	2(105)#, 4
		26-14							
WDU2.5/1.5/ZR	10247	Line side:No. 30 Sol	Cu	2	Line side: 7.0	300	20	B, C	2(105)#, 4
		(2)No. 14 sol/Str			Load side: 4.5				
		(3)No. 16 sol/Str							
		(3)No. 18 sol/Str							
		(4)No. 20-30 sol/Str							
		Load side:No. 30 Sol							
		(3)No. 20 sol/Str							

		(4)No. 22-26 sol/Str							
WDU1.5,		22-12	Cu	2	4.5	300, 300,	25	B, C	2(105)
WDU2.5N						600	5	C	
		26-12	Cu	1	4.5	300, 300,	25	B, C	2(105)
						600	5	C	
WDU2.5/600UL	—	22-12	Cu	2	4.5	600, 600	25	B, C	2(105), 4
		26-12	Cu	1	4.5	600, 600	25	B, C	2(105), 4
WDU1.5-BLA	10258	22-12	Cu	2	4.5	300, 300,	20	B, C,	2(105)#
						600	5	C	
WDU1.5LD-	10259,	22-12	Cu	2	4.5	300, 300,	20,	B, C,	2(105)#
BLA	10260,					600	5	C	
	10261								
WDU1.5R-	10263,								
BLA	10263								
WDU1.5/ZZ	103140	22-12	Cu	2	4.5	300	25	B, C	2(105)
		26-12	Cu	1					
		(3) 20 sol/str	Cu	2	4.5	300	20	B, C	2(105)
		(4) 26-22 sol/str	Cu	2	4.5	300	20	B, C	2(105)
WDU1.5/BLZ5.08	—	22-12	Cu	2	4.5	300, 300, 600	20, 20.5	B, C, D	2(105)#, 4
		(3)No. 20 sol/Str	Cu	2	4.5	300, 300, 600	20, 20.5	B, C, D	2(105)#, 4
		(4)No.22-26 sol/Str	Cu	2	4.5	300, 300, 600	20, 20.5	B, C, D	2(105)#, 4
WDU 1.5/ZQV/BLZ/5.08		26-12 sol/str	Cu	2	4.5	300, 300, 600	20, 20.5	B, C, D	2(105)#, 4
WDU1.5		26-12	Cu	1	4.5		5		
/BLZ5.08/LD,									
WDU1.5									
/BLZ5.08/R									
WDU4		22-10,	Cu	2	9	600	35	B, C	2(105), 4
		(2) No. 14 sol/Str	Cu	2	9	600	35	B, C	2(105), 4
		(3)No.16-18 sol/Str	Cu	2	9	600	29	B, C	2(105), 4
		(4)No. 20-22 sol/Str	Cu	2	9	600	29	B, C	2(105), 4
WDU 4 N	—	26-10	Cu	2	4.5	300	10	B, C	2(105)#, 4

WDU 4 ZZ, WDU 4 ZR	—	30-10 Multiple wire, Cu, 2 x 14 sol/str 3 x 16 sol/str 3 x 18 sol/str 4 x 20 sol/str 4 x 22 stranded only	Cu	2	6.2	600	30	B, C	2(105), 4
WDU4SA	10211	22-12	Cu	2	9	250, 300	25	B, C	2(105)#
WDU 4 SL/EN	—	22-10	Cu	2	4.5	600	30	B, C	2(105)#, 4
WDU4SQ	10228	22-10	Cu	2	5.3	250, 300	10	B, C	2(105)#, 4
WDU6		22-8	Cu	2	14.2	600	50	B, C	2(105)#, 4
		(2) No. 12 sol,	Cu	2	14.2	600	45	B, C	2(105), 4
		(2) No. 12 str,							
		(3) No. 14 sol,							
		(3) No. 14 str,							
		(3) No. 16 sol,							
		(3) No. 16 str,							
		(3) No. 18 sol,							
		(3) No. 18 str							
		(4) 22-20 sol/str	Cu	2	14.2	600	30	B, C	2(105), 4
WDU 6 SL/EN	—	20-8	Cu	2	7.2	150	50	B, C	2(105)#, 4
WDU10		18-6 sol/str	Cu	2	20.4	600	65	B, C	2(105), 4, 6 [16x12x6]
		20 sol only							
		(2) 12 sol/str	Cu	2	20.4	600	50	B, C	2(105), 4, 6 [16x12x6]
		(3) 14 sol/str	Cu	2	20.4	600	50	B, C	2(105), 4, 6 [16x12x6]

		(4) 22-16 sol/str	Cu	2	20.4	600	46	B, C	2(105), 4, 6 [16x12x6]
WGV10	—	—	Cu	2	20.4	600	65	B, C	2(105)
WDU 10 SL/EN	—	16-8	Cu	2	11	600	50	B, C	2(105)#, 4
WDU 10 ZR (1)	—	16-6	Cu	2	10.8	600	65	B, C	2(105)#, 4
WPE 10 ZR (1)	—	16-6	Cu	2	10.8	—	—	B, C	2(105)#, 4
Note: (1) - Ratings for WDU 10ZR, M3 Terminal: Wire range 26-10, Torque: lb-in 4.5, Max Voltage: 600V Industrial, Amps: 30.Ratings for WPE 10ZR, M3 Terminal: Wire range 26-10, Torque: lb-in 4.5.									
WDU16		18-4	Cu	2	35	600	85	B, C	2(105), 4, 6 [16x12x6]
		(2) 10 sol/Str	Cu	2	35	600	67	B, C	2(105), 4, 6 [16x12x6]
		(3) 12 sol/Str	Cu	2	35	600	71	B, C	2(105), 4, 6 [16x12x6]
		(4) 14-16 sol/Str	Cu	2	35	600	67	B, C	2(105), 4, 6 [16x12x6]
WDU16N (4)	—	14-6	Cu	2	21.6	600	70	B, C	2(105), 4
WDU16N (5)	—	14-6	Cu	2	21.6	600	70	B, C	2(105)#, 4
Note: (4) - Provided with Slot headed screw.									
Note: (5) - Provided with combination headed screw.									
WDU35N		12-1/0	Cu	2	51	1000	150	E	2(105), 4
WDU35		(2) 8-6 Str	Cu	2	51	1000	114	E	2(105), 4, 6 [16x12x6]
		12-1/0	Cu	2	51	1000	150	E	2(105), 4, 6 [16x12x6]
		(3) 14-10 sol/Str	Cu	2	51	1000	90	E	2(105), 4, 6 [16x12x6]
WPE1.5,		22-12	Cu	2	4.5	—	—	—	2(105), #18
WPE1.5/R3.5,		26-18	Cu	2	2.3	—	—	—	2(105), #18
WPE2.5N		26-12		1					
WPE1.5ZZ		22-14	Cu	2	5	—	—	—	2(105), #18
		26-14	Cu	1	5	—	—	—	2(105), #18
		(3) 20 sol/Str	Cu	1	5	—	—	—	2(105), #18

		(4) 26-22 sol/Str	Cu	1	5	—	—	—	2(105), #18
WPE2.5		22-12	Cu	2	7.1	—	—	—	2(105), #
		26-12	Cu	1	7.1	—	20	—	2(105), #18
		(2) No. 14 sol/str,							
		(3) No. 18-16 sol/str,							
		(4) 30-20 sol/str							
WPE2.5/1.5/ZR	—	22-12	Cu	2	7.1	—	—	—	2(105), #18
		26-12	Cu	1	4.5	—	—	—	2(105), #
		Line side: (4) 20-30 sol/str	Cu	2	7.1	—	—	—	2(105), #18
		Load side: (3) 20 sol/str (4) 22-26 sol/str	Cu	1	4.5	—	—	—	2(105), #18
WPE4	10101	22-10	Cu	2	9.0	—	—	—	2(105), #
		26-10	Cu	1	9.0	—	30	—	2(105), #18
		(2) No. 14 sol/str,							
		(3) No. 18-16 sol/str,							
		(4) 22-20 sol/str							
WPE4N	—	26-10	Cu	2	4.4	—	—	—	2(105), #18
WPE 4 ZZ, WPE 4 ZR	—	30-10 2 x 14 sol/str 3 x 16 sol/str 3 x 18 sol/str 4 x 20 sol/str 4 x 22 sol/str	Cu	2	6.2	—	—	—	2(105), 4, #18
WPE6	10102	20-8,	Cu	2	14.2	—	—	—	2(105), #18

		(2) No. 12 sol/str,							
		(3) No. 18-14 sol/str,							
		(4) 22-20 sol/str							
WPE10	10103	16-6	Cu	2	20.4	—	—	—	2(105), # 18, 6 [16x12x6]
		(2) 12 sol/str							
		(3) 14 sol/str							
		(4) 22-16 sol/str							
WPE16	10104	14-4	Cu	2	35	—	—	—	2(105), # 18, 6 [16x12x6]
		(2) 10 sol/str							
		(3) 12 sol/str							
		(4) 16-14 sol/str							
WPE16N	—	14-6	Cu	2	35	—	—	—	2(105), #18
WPE35	10105	12-1	Cu	2	51	—	—	—	2(105), #, 6 [16x12x6]
	10126	(2) 8-6 sol/str							
		(3) 14-10 sol/str							
WPE50N	—	10-1/0	Cu	2	31.5	—	—	—	2(110), #4, 6 [16x12x6]
		(2) No.6 str	Cu	2	53.1	—	—	—	2(110), 6 [16x12x6]
		(2) No. 8 str	Cu	2	53.1	—	—	—	2(110), 6 [16x12x6]
WFF35	—	14-2	Cu	2	39.8	1000	115	E	2(105), # 4
WFF70	—	14-2/0	Cu	2	88.5	1000	175	E	2(105), # 4
WFF120	—	10-250	Cu	2	132	1000	310	E	2(105), # 4

WFF185	—	8-500	Cu	2	177	1000	380	E	2(105), # 4
WFF300	—	6-600	Cu	2	354	1000	500	E	2(105), #
WDU50N	—	10-1/0	Cu	2	31.5	1000	150	E	2(110), 4, 6 [16x12x6]
	—	(2) No. 6 str	Cu	2	53.1	600	85	C	2(110), 4
	—	(2) No. 8 str	Cu	2	53.1	600	112	C	2(110), 4
WZAD 50N	—	24-8 sol/str	Cu	2	8.85 forterminal screw; 26.55 formounting screw	600	50	C	2(115), 4
WDU70/95	10246	6-2/0	Cu	2	87	1000	175	E	2(105), 4
WDU70/95/3	10246								
WDU70/95/4	10246								
WDU70/95/5	10246								
WDU 70N/35	—	6-3/0	Cu	2	88.5	600	195	C	2(115), 4, 6 [16x12x6]
WDU 70N/35	—	6-3/0	Cu	2	88.5 (10.0 Nm)	600	195		
		(5) No.14			70.5 (8 Nm)	600	75		
		(5) No.12			70.5 (8 Nm)	600	100		
		(5) No.10			70.5 (8 Nm)	600	121		
		(2) No.8			70.5 (8 Nm)	600	95		
		(2) No.6			70.5 (8 Nm)	600	120		
		(2) No.4			870.5 (8 Nm)	600	156		
WZAD 70N	—	24-8 sol/str	Cu	2	8.85 forterminal screw; 26.55 formounting screw	600	50	C	2(115), 4
WPE 70N/35		6-2/0	Cu	2	10.0	—	#		
		(5) No.14			8	—	#		
		(5) No.12			8	—	#		
		(5) No.10			8	—	#		
		(2) No.8			8	—	#		
		(2) No.6			8	—	#		
		(2) No.4			8	—	#		
WDU95N/120N	—	4-4/0	Cu	2	141.6	1000	228	C, E	2(120), 4, 6 [16x12x6]

WZAD 95N/120N	—	24-8 sol/str	Cu	2	8.85 forterminal screw; 26.55 formounting screw	600	50	C	2(115), 4
WPE70/95	—	6-2/0	Cu	2	87	—	—	—	2(105), 4
WPE 70/N	—	6-3/0	Cu	2	88.5	600	195	C	2(115), 4, #18, 6 [16x12x6]
WPE95N/120N	—	4-3/0	Cu	2	88.5	—	—	—	2(115), 4, #18, 6 [16x12x6]
WDL2.5/S	103070	22-12	Cu	2	7	300	15	B, C	2(105), #
	103080	26-12	Cu	1	7	300	15	B, C	2(105), #
	103110								
	103120								
	103090								
	103130								
	103060								
WDL2.5	103010	22-12	Cu	2	7	300	15	B, C	2(105), #
	103020	26-12	Cu	1	7	300	15	B, C	2(105), #
	103000								
	103040								
	103030								
	102980								
	102990								
WDL2.5/NT/	103510	26-12	Cu	1	7	300	15	B, C	2(105), #
L/PE/SPZ									
WDL2.5/L/L/	103490								
PE/SPZ									
WDL2.5/N/L/	103480								
PE/SPZ									
WDL2.5/S/NT/	103500								
L/PE/SPZ									
WDL2.5/S/L/L/	103470								
PE/SPZ									
WDL2.5/S/N/L/	103460								
PE/SPZ									
WTQ6/1, WTQ 6/1 EN	—	20-8	Cu	2	14.2	300, 300	45	B, C	2(105)#
WTQ6/1/32									
WTQ6/1/STB, WTQ 6/1 EN STB									

WTQ6/1/STB/32									
WTD6/1/32									
WTD6/1, WTD 6/1 EN									
WTL6/1, WTL 6/1 EN									
WTL6/1/STB, WTL 6/1 EN STB									
WTL6/1/STB/TNSC, WTL 6/1/STB/TNSC/EN									
WTL6/1/STB/32									
WTL6/2									
WTL6/2/32									
WTL6/3	—	20-8	Cu	2	14.2	600, 600	45	B, C	2(105)#
WTD 6/4 FF, WTL 6/4 FF	—	26-10	Cu	2	10.6-16.8	600	30	B, C	2(105), 4, 5
WTL 6/5 EN, WTL 6/5 EN STB	—	20-8	Cu	2	7.0	300	48	B, C, D	2(105), 4
WDU120/150		—	Cu	1	130	1000	225	E	2(105), 4
WDU120/150/3									
WDU120/150/4									
WDU120/150/5									
WPE120/150	—	250-2	Cu	2	130	—	—	—	2(105), 4
WPE35N	—	12-2	Cu	2	35.4 - 44.2	—	—	—	2(105), 4
WDT1.5/1	101580	22-14	Cu	2	5	250, 300	10	B, C	2(105)
		26-10	Cu	1	5	250, 300	10	B, C	2(105)
	101586,								
	101526								
WDT1.5/2	101600,								
	101576,								
	101566								
WDT1.5/EEXI	101616	26-10	Cu	1	5	250, 300	10	B, C	2(105)
WNT2.5	10106,	22-12	Cu	2	7.1	600	25	C	2(105)
		26-12	Cu	1	7.1	600	25	C	2(105)
	10115								
WNT4	10107,	22-10	Cu	2	9.0	600	30	C	2(105)
		26-10	Cu	1	9.0	600	35	C	2(105)
	10117								
WNT6	10108,	20-8	Cu	2	14.2	600	45	C	2(105)
	10119								
WNT10	10109,	16-8	Cu	2	20.4	600	60	C	2(105)
	10121								
WNT16N 10x3	—	14-6	Cu	2	19.5	300	65	C	2(105)
WDTR2.5	—	26-12	Cu	2	4.5	300	10	B, C	2(105), 4

WTR2.5	10111,	22-12	Cu	2	7.1	300	10	B, C	2(105), #
		26-12	Cu	1	7.1	300	10	C	
	10112,								
	10128,								
	10129,								
WTR2.5	10130,	26-12	Cu	1	7.1	300	10	C	
	10131,								
WTR2.5D,	10132-								
	10137								
WDT 2.5 (*)	—	26-12	Cu	2	3.5	300	20/10 (+)	B,C,D	2(105),4
WP 2.5 (**)	—	26-12	Cu	2	3.5	300	20/10 (+)	B,C,D	2(105),4
WT 2.5	—	26-12	Cu	2	3.5	300	20/10 (+)	B,C,D	2(105),4
Note: (*) followed by BT or AT or /2 or /2V.									
Note: (**) followed by /1AN, followed by /1 through /10, followed by ZA or ZA O.RA or blank.									
Note: (+) 10A for current flowing through the cross connection ZQV 2.5/1.5 for Cat No. WDT 2.5/2V.									
WTR 2.5	—	30-12	Cu	2	4.4	600	20	C	2(110), 4, #21
WTR 2.5 D+ 2STB 6.9/2.3	—	30-12	Cu	2	4.4	600	20	C	2(110), 4, #21
WTR 2.5 D- 2STB 6.9/2.3	—	30-12	Cu	2	4.4	600	20	C	2(110), 4, #21
WTR 2.5 O/TNHE	—	30-12	Cu	2	4.4	600	20	C	2(110), 4
WTR 2.5/STB	—	30-12	Cu	2	4.4	300	20	C	2(110), 4, #21
WTR 2.5, WTR 2.5 O/TNHE	—	(4) 30 sol/str	Cu	2	3.5 - 7.1	600	2	C	2(110), 4, #21
	—	(4) 28 sol/str	Cu	2	3.5 - 7.1	600	3.2	C	2(110), 4, #21
	—	(4) 26 sol/str	Cu	2	3.5 - 7.1	600	4	C	2(110), 4, #21
	—	(4) 24 sol/str	Cu	2	3.5 - 7.1	600	8	C	2(110), 4, #21
	—	(3) 22 sol/str	Cu	2	3.5 - 7.1	600	9	C	2(110), 4, #21
	—	(3) 20 sol/str	Cu	2	3.5 - 7.1	600	15	C	2(110), 4, #21
	—	(3) 18-16 sol/str	Cu	2	3.5 - 7.1	600	20	C	2(110), 4, #21
	—	(2) 14 sol/str	Cu	2	3.5 - 7.1	600	20	C	2(110), 4, #21
WTR 2.5/STB	—	(4) 30 sol/str	Cu	2	3.5 - 7.1	300	2	C	2(110), 4, #21
	—	(4) 28 sol/str	Cu	2	3.5 - 7.1	300	3.2	C	2(110), 4, #21

	—	(4) 26 sol/str	Cu	2	3.5 - 7.1	300	4	C	2(110), 4, #21
	—	(4) 24 sol/str	Cu	2	3.5 - 7.1	300	8	C	2(110), 4, #21
	—	(3) 22 sol/str	Cu	2	3.5 - 7.1	300	9	C	2(110), 4, #21
	—	(3) 20 sol/str	Cu	2	3.5 - 7.1	300	15	C	2(110), 4, #21
	—	(3) 18-16 sol/str	Cu	2	3.5 - 7.1	300	20	C	2(110), 4, #21
	—	(2) 14 sol/str	Cu	2	3.5 - 7.1	300	20	C	2(110), 4, #21
WTR2.5 STB 2.3 LN	—	22-12	Cu	2	7.1	300	10	B, C	2(105), #
	—	26-12	Cu	1	7.1	300	10	C	
WTR 2.5/ZZ	—	26-12	Cu	2	4.5	300	10	B, D	2(105), 4
WTR, followed by 2.5, followed by /SI, followed by LD or blank, followed by 36V, or 70V, or 150V or 250V or blank	—	30-12	Cu	2	4.5	600	10	B,C	2(105),4
WTR4 STB,	—	22-10 Multiple wire, Cu, 2 x 14 sol/str 3 x 16 sol/str 3 x 18 sol/str 4 x 20 sol/str 4 x 22 sol/str	Cu	2	4.5	600	22	D	2(105), 4, #24
WTR4 SL STB,									
WTR4 SL STB/EN									
WTR4,	—	22-10 Multiple wire, Cu, 2 x 14 sol/str 3 x 16 sol/str 3 x 18 sol/str 4 x 20 sol/str 4 x 22 sol/str	Cu	2	9.0	600	22	D	2(105), 4, #24
WTR4 SL,									

WTR4 SL/EN,									
WTR4 W/out	—	22-10	Cu	2	9.0	600	22	D	2(105), 4, #24
WTR4 SI,	—	22-10	Cu	2	9.0	300	6.3	D	2(105), 4, #23
WTR4 SI/LD,									
WTR4 SI/SL,									
WTR4 SI SL/LD									
WTR 4 ZZ, WTR 4 ZR	—	30-10 Multiple wire, Cu, 2 x 14 sol/str 3 x 16 sol/str 3 x 18 sol/str 4 x 20 sol/str 4 x 22 stranded only	Cu	2	6.2	600	30	B, C	2(105), 4
WTR 4 ZZ STB 2.3, WTR 4 ZR STB 2.3	—	30-10 Multiple wire, Cu, 2 x 14 sol/str 3 x 16 sol/str 3 x 18 sol/str 4 x 20 sol/str 4 x 22 stranded only	Cu	2	6.2	600	30	B, C	2(105), 4
Terminal Blocks, Series WeiCos, Model WT4, followed by 4AN, followed by /2, may be followed by ZA; Model WP4, followed by 1AN, followed by /1 to 24, may be followed by ZA	—	26-10 sol/str	Cu	2	8.8	600	30	B, C, D	2(115), 4
WSI 4, WSI 4/LD, WSI 4/GL		(4) 22-20 sol/str	Cu	2	4.7-6.2	300	15	C	2(105), 4
		(3) 18 sol/str							
		(2) 16 sol/str							

		(2) 14 sol/str							
WSI 4/2/SO	—	30-12 sol/str	Cu	2	7.1	300	15	C	2(105), 4, *h, *j
		(2)No.14 sol/Str							
		(2)No.16 sol/Str							
		(3)No.18 sol/Str							
		(4)No.20 sol/Str							
		(4)No.22 sol/str							
WSI 4/2/GL	—	30-12 sol/str	Cu	2	7.1	100-300Vac	12	C	2(105), 4, *h
		(2)No.14 sol/Str							
		(2)No.16 sol/Str							
		(3)No.18 sol/Str							
		(4)No.20 sol/Str							
		(4)No.22 sol/str							
WSI 4/2/LD	—	30-12 sol/str	Cu	2	3-7	10-57	12	C	2(105), 4, *h
WSI 4/2	—	30-10 sol/str	Cu	2	7.1	300	15	C	2(105), 4
		(2)No.14 sol/Str							
		(2)No.16 sol/Str							
		(3)No.18 sol/Str							
		(4)No.20 sol/Str							
		(4)No.22 sol/str							
WSI 4/2 LD 10-36V	—	30-10 sol/str	Cu	2	7.1	300	15	C	2(105), 4
		(2)No.14 sol/Str							
		(2)No.16 sol/Str							

		(3)No.18 sol/Str							
		(4)No.20 sol/Str							
		(4)No.22 sol/str							
WSI 4/2 LD 30-70V	—	30-10 sol/str	Cu	2	7.1	300	15	C	2(105), 4
		(2)No.14 sol/Str							
		(2)No.16 sol/Str							
		(3)No.18 sol/Str							
		(4)No.20 sol/Str							
		(4)No.22 sol/str							
WSI 4/2 LD 60-150V	—	30-10 sol/str	Cu	2	7.1	300	15	C	2(105), 4
		(2)No.14 sol/Str							
		(2)No.16 sol/Str							
		(3)No.18 sol/Str							
		(4)No.20 sol/Str							
		(4)No.22 sol/str							
WSI 4/2 LD 140-250V	—	30-10 sol/str	Cu	2	7.1	300	15	C	2(105), 4
		(2)No.14 sol/Str							
		(2)No.16 sol/Str							
		(3)No.18 sol/Str							
		(4)No.20 sol/Str							
		(4)No.22 sol/str							
WSI 4, WSI 4/LD 10-36V AC/DC, WSI 4/GL 10-36V AC/DC,	—	30-12 sol/str	Cu	2	2.65-5.3	300	15	B, C	2(105), 4

WSI 4/LD 30-70V AC/DC, WSI 4/LD 60-150V AC/DC, WSI 4/LD 140-250V AC/DC, WSI 4/GL 30-70V AC/DC, WSI 4/GL 60-150V AC/DC, WSI 4/GL 140-250V AC/DC									
WSI6	10110	22-8	Cu	2	14.2	600	9.5	B, C	2(105), #
WSI6/2	10140	22-8	Cu	2	10.6	600	20	B, C	2(105), #
WSI6/2 LED	10141-	22-8	Cu	2	10.6	600	20	B, C	2(105), #
	10145								
WSI6TR	102820	22-8	Cu	2	14.2	600	16	B, C	2(105), #
WSI6E	10113,	20-8	Cu	2	14.2	600	10	C	2(105), #
	10122,								
	10123,								
	10124,								
	10127								
LL 6.35	See nomenclature breakdown(NB) at end of card	26 - 10 sol/str	Cu	2	4.4	600,600,600	30,30,10	B,C,D	2(115),4
Cat. No. *PRV followed by 16, followed by SW or any other letters denoting color, followed by 35X7.5 or 35X15, followed by WS/RT, RT/WS or WS, RT, DG or any other color covered by the UL yellow card*	—	26-16 sol/str	Cu	2	—	300	1	B, D	2(125)
Type PRV or PPV followed by 8, 4 or 4+4, followed by SW, BL, GR or any other letters denoting color, followed by 35X7.5 or 35X15, followed by WS/RT, RT/WS, WS, RT, DG or any other color covered by the UL yellow card.	—	26-16 sol/str	Cu	2	—	300	10	B,D	2(125)
(*) WSI, followed by 6 or 6/2, followed by /LD or GZ/DEF63, may be followed by 10-36V, or 30-70V, or 60-150V, or 140-250V, may be followed by LLC	—	22-8	Cu	2	14.2	600	10	B, C	2(105), 4
Note: (*) - These Terminal Blocks may be used with 4 wires No. 22 and 20 sol/str, with 3 wires Nos. 18, 16 and 14 sol/str and with 2 wires No. 12 sol/str. Intermix is not allowed.									
WDU 1.5/R3.5,	—	26-14	Cu	2	4.5	300	15	B, C	2(105), #
WDK 1.5/R3.5									

WTL 4, WTL 4 STB	—	26-10 2 x 14 sol/str 3 x 16 sol/str 3 x 18 sol/str 4 x 20 sol/str 4 x 22 sol/str	Cu	2	4.5	300	28	B, D	2(105), #, 7
WTL 4/2 STB	—	26-10 Multiple wire, Cu, 2 x 14 sol/str 3 x 16 sol/str 3 x 18 sol/str 4 x 20 sol/str 4 x 22 sol/str	Cu	2	4.5	300	8	D	2(105), 4
SAK95, SAK95/35	—	6-4/0	Cu	2	142	600	190	C	2(105), 4
GSE10/1, may be followed	4787.0	22-8	Cu	2	20.5	300	10	C	2(105), 4
by /1 through /10		26-8	Cu	1	20.5	300	10	C	2(105), 4
GSE10/3 may be followed by	4789.0	22-8	Cu	2	20.5	150, 300	40, 10	C, D	2(105), 4
/1 through /10									
LU 10.16	See nomenclature breakdown(NB) at end of card	22-6	Cu	2	20.5	150, 300 300,600	65, 10,5	C,B D	2(105), 4
LU20.32 followed by	See nomenclature breakdown(NB) at end of card	22-6	Cu	1	20.5	600,600	65,5	C, D,	2(105)
LX 15.00 *LXB 15.00* *LXBL 15.00*	See nomenclature breakdown(NB) at end of card	16-4	Cu	2	18.0	600,600	85,85	B, C	2(105), 4
LXXX 15.00	See nomenclature breakdown(NB) at end of card	20-1	Cu	2	22.13	600,600	126,126	B,C	2(115), 5
ST5	4483.4,	12-10	Cu	2	25	600	65	C	2(105), #
		12-8	Cu	1	25	600	65	C	2(105), #
	4483.6								
STL5	4484.4								

	4484.6								
ST5EN	—	12-10	Cu	1	25	600	65	C	2(105), #
		12-8	Cu	1	25	600	65	C	2(105), #
DLI 2.5N,		(4) 26-20 sol/str	Cu	2	4.2-4.6	300	10	D	2(105), 4
DLI 2.5N/LD PNP,		(3) 18 sol/str							
DLD 2.5N/LD NPN		(2) 16 sol/str							
		(1) 14 sol/str							
DLI2.5/35	13133.6,	22-12	Cu	2	4.5	300, 300	10	B, C	2(105), 4, #
	13134.6,	26-12	Cu	1	4.5	300, 300	10	B, C	2(105), 4, #
	13135.6,								
	13443.6,								
	13444.6								
LU20.32	—	22-6	Cu	2	20.5	600, 600	65	D, B	2(105), 4
		26-6	Cu	1	20.5	600, 600	65	D, B	2(105), 4
DLA2.5/35	—	22-12	Cu	2	4.5	300, 300	10	B, C	2(105), #
DLA2.5/D		26-12							
DLA2.5/10/D									
DLA2.5/LD									
DLA2.5/10/LD									
DLA2.5/LD/D									
DLA2.5/10/LD/D									
DLD2.5/35	13170.6								
DLD2.5/PE	13170.6	26-12	Cu	2	4.5	300, 300	10	B, C	2(105), #
DLD 2.5N,		(4) 26-20 sol/str	Cu	2	4.2-4.6	300	10	D	2(105), 4
DLD 2.5N/LD PNP,		(3) 18 sol/str							
DLD 2.5N/LD NPN		(2) 16 sol/str							
		(1) 14 sol/str							
MAK2.5	—	22-12 26-12	Cu	2 1	4.5	300	10	B, C	2(105), #
MAK2.5 DB	—	22-12 26-12	Cu	2 1	4.5	300	10	B, C	2(105), #
MAK2.5/SPZ	—	22-12 26-12	Cu	2 1	4.5	300	10	B, C	2(105), #

MAK2.5, MAK2.5 DB	—	Multiple wire sol./str 2 x 14 3 x 16 3 x 18 4 x 20 4 x 22 4 x 24 4 x 26 4 x 28 4 x 30	Cu	2	4.5	300	10	B, C	2(105), #
VLI1.5,									
VLI1.5/PE	—	26-12	Cu	2	4.5	300, 300	10	B, C	2(105), #
WF 5	—	10-4	Cu	2	18	1000	85	C	2(105), #
WF 6	—	14-2	Cu	2	27	1000	115	B, C	2(105), 4, #
WF 8	—	14-1/0	Cu	2	54	1000	150	B, C	2(105), 4, #
WF 10	—	10-250	Cu	2	90	1000	255	B, C	2(105), 4, #
WF 12	—	10-250	Cu	2	90	1000	255	B, C	2(105), 4, #
WF6/2BZ	—	2	Cu	2	27	1000	115	C	2(105), 4, #
WF8/2BZ	—	1/0	Cu	2	54	1000	150	C	2(105), 4, #
WF10/2BZ	—	4/0	Cu	2	90	1000	230	C	2(105), 4, #
WF10-8/2BZ	—	2*2/0-4/0	Cu	2	106	1000	325	C	2(120), 4, #
SS6/32	4982.2	12-4	Cu	2	26.5	600	85	D	2(130)
SS6/35	6498.2	12-4	Cu	2	26.5	600	85	D	2(130)
KST5	—	12-6	Cu	2	22-21	600	65	D	2(105), #
KST6	—	12-6	Cu	2	22-21	600	65	D	2(105), #
KST8	—	12-2	Cu	2	53-88.5	600	115	D	2(105), #
KST10	—	12-2/0	Cu	2	106	600	175	D	2(105), #
KST12	—	12-2/0	Cu	2	141	600	200	D	2(105), #
DS2.5/35	13109.6,	22-14	Cu	2	7.1	250, 300	10	B, D	2(105), #
		26-14	Cu	1	7.1	250, 300	10	B, D	2(105), #
DSS2.5/35	13111.6								
DSE	13112.6,								
	13113.6								
DSSE	13114.6								
D4/6.NTLP(1),	—	12-18	Cu	2	3.5-7	300	20	B, C, D	2(105), #4, #7

D4/6.A.NTLP,									
D4/6.NLP,									
D4/6.LLP,									
D4/6.LL,									
D4/6.NL,									
D4/6.A.LL,									
D4/6.A.LLP,									
D4/6.LNTP6,									
D4/6.LNTP7,									
D4/6.LNPT8									
Note: (1) In addition to Current carrying terminals, Cat. Nos. D4/6.NTLP, D4/6.A.NTLP, D4/6.NLP, D4/6.A.NLP, D4/6.LLP, D4/6.A.LLP, D4/6.LNTP7 and D4/6.LNTP8 are provided with grounding terminals and have been evaluated for their suitability as Protective Conductor Terminal Blocks and comply with the applicable grounding requirements for these terminals for use in a protective cirCuit. (Commercial and Industrial Applications). These Cat. Nos. can be provided in green and yellow.									
ZB4	—	20-12	Cu	2	5.5	—	—	—	1, 2(105),
									4, #
ZBE6	—	10-14	Cu	2	17.75	—	—	—	1, 2(105),
									4, #
ZB10	—	10-16	Cu	2	17.75	—	—	—	1, 2(105),
		6-8, stranded							4, #
ZB16	—	6-8,	Cu	2	17.75	—	—	—	1, 2(105),
		4-8, stranded							4, #
ZB35	—	2-6,	Cu	1	35.5	—	—	—	1, 2(105),
		stranded							#
LPK3	—	22-14	Cu	2	4.5	250, 300	10	B, D	2(105), 4, #
		26-14	Cu	1	4.5	250, 300	10	B, D	2(105), 4, #
	—								
LPK2N	—								
	—								
LPK2H	—								
	—								
LPA1/2	—								
	—								
LPA1/3	—								
	—								
LPA1/2H	—								
LPA1/3	—								
	—								
	—								

	—								
LPATOP									
LPA2/2,		22-14	Cu	2	4.5	250, 300	10	B, D	1, 2(105)#
		26-14	Cu	1	4.5				
LPA2/3,									
LPATR,		—	—	1	—	250, 300	A	B, D	1, 2(105)#
LPKTR,									
LPASI,									
LPKSI									
LLP6.35/2,	—	22-10	Cu	2	5	250, 300	25, 10	B, D	2(105), 4
LLP6.35/3	—								
LL 5.00, LL 5.08, LL1N 5.00, LL1N 5.08, LL2N 5.00, LL2N 5.08, LL3R 5.00, LL3R 5.08	See nomenclature breakdown(NB) at end of card	26-12	Cu	2	4.7	300, 300	20, 10	B, D	2(105)
LL 10.00 LL 10.16	See nomenclature breakdown(NB) at end of card	26 - 10 sol/str	Cu	2	4.7	300 150 300	30 30 10	B, C, D	2(105), 4 yep
LP 5.00 5.08	See nomenclature breakdown(NB) at end of card	26-10 (2) No. 18 Str, (2) No. 16 Str, (2) No. 14 Str	Cu	2	5	300, 300 50	10,29	B, D	2(105)
7.50, 7.62	See nomenclature breakdown(NB) at end of card	26-10 (2) No. 18 Str, (2) No. 16 Str, (2) No. 14 Str	Cu	2	5	300, 300 50	10,30 30	B, D	2(105)
LS 5.08 (°)	See nomenclature breakdown(NB) at end of card	28-14sol/str	Cu	2	3.5	300 300	15 10	B D	2(105)
PM 5.00, PM5.08	See nomenclature breakdown(NB) at end of card	26-14 sol	Cu	2	3.5	300,300	15, 10	B, D	2(105)
		26-14 sol, str	Cu	1	3.5	300,300	15, 10	B, D	2(105)
PS 3.5	See nomenclature breakdown(NB) at end of card	28-16sol	Cu	2	1.75	300	10	B	2(105)

		28-16sol, str	Cu	1	1.75	300	10	B	2(105)
LM 5.00, LM 5.08 followed by 2/ or 3/ followed by 90/, 135/ or 180/,	See nomenclature breakdown(NB) at end of card	24-14	Cu	2	3.5	300,300	15, 10	B, D	2(105),4
LM 5.08/2/90 L-OR, LM 5.08/3/90 L-OR, LM 5.08/2/90 L-GN, LM 5.08/02/135 3.5SN L-GN BX, LM 5.08/03/135 3.5SN L-GN BX, LM 5.08/3/135 S- GN, LM 5.08/4/135 S- GN, LM 5.08/5/135 S- GN,	—	24-14	Cu	2	3.5	300, 300	15, 10	B, D	2(105),4
LM 1N 5.08	See nomenclature breakdown(NB) at end of card	24-14	Cu	2	3.5	300, 300	15, 10	B, D	2(105),4
LM1N 5.08/3 3.5 L-OR LM1N 5.08/2 3.5 L-OR LM1N 5.08/2 3.5 L-GN	—	24-14	Cu	2	3.5	300, 300	15, 10	B, D	2(105),4
LM 1H 5.08	See nomenclature breakdown(NB) at end of card	24-14	Cu	2	3.5	300, 300	15, 10	B, D	2(105),4
LM1H 5.08/3 3.5 L-OR LM1H 5.08/2 3.5 L-GN LM1H 5.08/2 3.5 L-OR	—	24-14	Cu	2	3.5	300, 300	15, 10	B, D	2(105),4
LM 2N 5.08	See nomenclature breakdown(NB) at end of card	24-14	Cu	2	3.5	300, 300	15, 10	B, D	2(105),4
LM2N 5.08/6 3.5 L-OR SO	—	24-14	Cu	2	3.5	300, 300	15, 10	B, D	2(105),4
LM 2NR 5.08	See nomenclature breakdown(NB) at end of card	24-14	Cu	2	3.5	300, 300	15, 10	B, D	2(105),4
LM 2H 5.08	See nomenclature breakdown(NB) at end of card	24-14	Cu	2	3.5	300, 300	15, 10	B, D	2(105),4
LM3R 5.08	See nomenclature breakdown(NB) at end of card	24-14	Cu	2	3.5	300, 300	15, 10	B, D	2(105),4
LL 9.52, LL2N 9.52	See nomenclature breakdown (NB) at end of card	26-10	Cu	2	4.4	300,300/600	30,30/5	B, C/D	2(105), 4

LP-SMT 5.08/2-24/90	See nomenclature breakdown (NB) at end of card	26-10	Cu	2	5	300,300	20, 10	B, D	2(105), 4#
LPTR 5.08, LPTR 7.62	See nomenclature breakdown(NB) at end of card	26-12	Cu	2	5	300	14	B, D	2(105), 4, #
LPP 5.00, LPP 5.08,	See nomenclature breakdown(NB) at end of card	26-10	Cu	2	5	300, 10	10,10	B, D	2(105), 4
LPP7.50 or LPP7.62,	See nomenclature breakdown(NB) at end of card	26-10	Cu	2	5	300,300 50	30, 10, 30	B,C, D	2(105), 4
LP 2H 5.08,	See nomenclature breakdown(NB) at end of card	26-10	Cu	2	5	300, 300, 50(**)	29, 10 29	B, D	2(105), 4
LP 2HR 5. 08	See nomenclature breakdown(NB) at end of card	26-10	Cu	2	5	300, 300, 50(**)	29,10, 29	B, D	2(105), 4
LP 2N 5.00 or 5.08,	See nomenclature breakdown(NB) at end of card	26-10	Cu	2	5	300,300, 50(**)	29,10, 29	B, D	2(105), 4
LP 2NR 5.00 or 5. 08	See nomenclature breakdown(NB) at end of card	26-10	Cu	2	5	300,300, 50(**)	29,10, 29	B, D	2(105), 4
LP 3R 5. 08	See nomenclature breakdown(NB) at end of card	26-10	Cu	2	5	300, 300, 50(**)	29,10, 29	B, D	2(105), 4
LP 3R 5.08,	See nomenclature breakdown(NB) at end of card	26-10	Cu	2	5	300, 300, 50(**)	29,10, 29	B, D	2(105), 4
LP 1N 5.00 or 5.08,	See nomenclature breakdown(NB) at end of card	26-10	Cu	2	5	300, 300, 50(**)	29,10, 29	B, D	2(105), 4
LP 1H 5.08,	See nomenclature breakdown(NB) at end of card	26-10	Cu	2	5	300, 300, 50(**)	29,10, 29	B, D	2(105), 4

LP 10/2-12	See nomenclature breakdown(NB) at end of card	26-10	Cu	2	5	300 50(**)	20, 10 30(**)	B, D	2(105), #, 4
3.2 or 4.5									
Note: (**) Additionally ratings									
LP 10.16	See nomenclature breakdown(NB) at end of card	26-10 (2) No. 18 Str (2) No. 16 Str (2) No. 14 Str	Cu	2	5	300, 300, 50(**)	30, 10 30(**)	B, D	2(105), #, 4
Note: (**) Additionally ratings									
LP 15	See nomenclature breakdown(NB) at end of card	26-12 (2) No. 18 Str (2) No. 16 Str (2) No. 14 Str	Cu	2	5	600,600	20,20	B, C	2(105), #, 4
BLA	See nomenclature breakdown(NB) at end of card	22-12	Cu	2	4.5	300, 300	10	B, D	2(105), 4
LM3.5, LM-SMT 3.5	See nomenclature breakdown(NB) at end of card	14-28	Cu	2	2.25	300, 300	10	B, D	2(105), 4
LM2N 3.5	See nomenclature breakdown(NB) at end of card	14-28	Cu	2	2.25	300, 300	10	B, D	2(105), 4
LM1NDA,	See nomenclature breakdown(NB) at end of card	14-28		2	2.25	300, 300		B, D	2(105), 4
LM1N 3.5	See nomenclature breakdown(NB) at end of card	14-28	2	2	.252	300, 300	10	B, D	2(105), 4
LMTKE 5.08/4/180	See nomenclature breakdown(NB) at end of card	14-26	Cu	2	7	300, 300	10	B, D	1, 2(105), 4
LHZ-SMT followed by L or R, followed by 1.5, followed by SN, AU or AG, followed by BK, followed by RL or BX	—	14-26 sol/str	Cu	2	4.5	300, 600	15[2]	B, C, D	2(115), 4

TB-3/18-5.08 followed by -36 or -52, may be followed by A to E	—	30-12	Cu	2	3.5-7.1###	300, 300	20, 10	B, D	2(105), 4
Busconnector SR-SMD followed by 4.5, followed by /05, followed by /90, followed by LFM3.2, LF1.5 or blank, followed by AU, followed by BK, followed by RL or TR or BX.	—	—	—	1	—	300 50	5	B C,D	2(115)
Note: ###: Tightening torque range of 3.5-7.1 lb-in. valid for terminal blocks made of insulating body material WELLAMID 6600-PA-HWV0CP manufactured by CP-Polymer-Technik GmbH & Co. KG, only. Otherwise 3.5 lb-in.									
Note: [2] Current rating of 18 A just for Factory Wiring allowed.									
Type LMZF or LMZFL followed by 5, 7 or 10	See nomenclature breakdown(NB) at end of card	26-14	Cu	2	—	300, 300	15, 10	B, D	2(105), 4
Type LMZF or LMZFL followed by 5, 7 or 10 (#)	See nomenclature breakdown(NB) at end of card	26-14	Cu	2	—	600	15	B, C	2(105), 4
Note: (#) - for one Pole Version only.									
BLA 2-24	12836.6,	22-12	Cu	1/2	4.5	150, 250,	10,	B, D,	2(105), 4
						300	10, 15	D	
		26-12	Cu	1	4.5	150, 250	10,	B, D,	2(105), 4
						300	10, 15	D	
	13638.6-								
	13660.6,								
	13560.6-								
	13582.6,								
	13142.6-								
	13144.6								
BLF 5.00, BLF 5.08	See nomenclature breakdown(NB) at end of card	26-14, SOL/STR	Cu	2	—	300.300	13.5, 10	B, D	2(105)
BLF 5.08..TB	See nomenclature breakdown(NB) at end of card	26-14, So l/ Str	Cu	2	—	600,600,600	13,5,13.5,5	B, C, D	2(105)
BLAT 2-24	See nomenclature breakdown(NB) at end of card	26-12	Cu	1	4.5	300	13	B, D	2(105), 4
		22.12	Cu	2	4.5				

BLT 5.08 (*)	See nomenclature breakdown(NB) at end of card	26-12	Cu	1	4.5	300	13	B, D	2(105), 4
		22-12	Cu	2	4.5				
BLT 3.5	See nomenclature breakdown(NB) at end of card	20-16	Cu	2	1.8	300,300	7,7	B, D	2(105), 4
WPO 4	—	22-12	Cu	2	7.	300, 300	10,10	B, D	2(105)#8
		26-12	Cu	1	7.	300, 300	10,10	B, D	2(105)#8
		(2) 16-14, sol/Str	Cu	2	7.	300, 300	20,20	B, D	2(105)#8
		(3) 18, sol/Str	Cu	2	7.	300, 300	20,20	B, D	2(105)#8
		(2) 20, Sol	Cu	2	7.	300, 300	20,20	B, D	2(105)#8
		(4) 26, Sol	Cu	2	7.	300, 300	20,20	B, D	2(105)#8
		(4) 26-20, Str	Cu	2	7.	300, 300	20,20	B, D	2(105)#8
BLT 5.08HC	See nomenclature breakdown(NB) at end of card	14-26 sol/str	Cu	1	4.4	300,300	17,10	B,D	2(115), 4
				2	4.4	300,300	15,10	B,D	
BLZ 5.08HC, BLZ 5.00HC	See nomenclature breakdown(NB) at end of card	12-26 sol/str	Cu	1	4.4	300,300	21,10	B,D	2(115), 4
				2	4-4	300,300	20,10	B,D	
BLZP 5.08HC, BLZP 5.00HC	See nomenclature breakdown(NB) at end of card	12-26 sol/str	Cu	2	4.4	300,300	20,10	B,D	2(115), 4
B2LT 6.35	See nomenclature breakdown(NB) at end of card	14 - 26 sol/str	Cu	2	3.5	300	9	B,D	2(120), 4
S2L 6.35	See nomenclature breakdown(NB) at end of card	N/A	N/A	1	N/A	300	9	B,D	2(120)
BLFH 3.2	—	22-18 SOL 22-18 (STR, prepared with ferrules only)	Cu	1	—	48 dc	10	—	2(130)

BLZ 5.00, BLZ 5.08	See nomenclature breakdown(NB) at end of card	30-12 SOL/STR, 2x14 SOL/STR, 2x16 SOL/STR, 2x18 SOL/STR, 2x20 SOL/STR, 2x22 SOL/STR, 2x24 SOL/STR, 2x26 SOL/STR, 2x28 SOL/STR, 2x30 SOL/STR	Cu	2	4.5-5.0	300	15	B, D	2(105), 4
BHZ 5.00	—	26-12 SOL/STR	Cu	2	3.5	300	9	B,D	2(105)
BHZ 5.00	26-12 SOL/STR	—	Cu	1	3,5	50	9	C	2(105)
BHF 5.00	—	20-14 SOL/STR	Cu	2	—	300 50 150	10 10 10	B,D C C	2(105)
SHL SMT 5.00	—	—	Cu	1	—	300 50	9 9	B,D C	2(130)
BLZP 5.00, BLZP 5.08	See nomenclature breakdown(NB) at end of card	30-12 SOL/STR, 2x14 SOL/STR, 2x16 SOL/STR, 2x18 SOL/STR, 2x20 SOL/STR, 2x22 SOL/STR, 2x24 SOL/STR, 2x26 SOL/STR, 2x28 SOL/STR, 2x30 SOL/STR	Cu	2	4.5-5.0	300	15	B, D	2(105), 4
		(2) 18, sol/Str (4) 30-20, sol/Str	Cu	2	4.5-5.0	300	10	B, D	2(105), 4

BLZ 5.08...QV..	—	30-12 SOL/STR SOL/STR 2x14 SOL/STR 2x16 SOL/STR 2x18 SOL/STR 2x20 SOL/STR 2x22 SOL/STR 2x24 SOL/STR 2x26 SOL/STR 2x28 SOL/STR 2x30	Cu	2	4.5-5.0	300	15	B, D	2(105), 4
BLZ DN 5.08/4-5/180/F/AU	See nomenclature breakdown(NB) at end of card	26-12	Cu	2	4.5	300,300	12,10	B, D	2(115),4
BLDZ DN 5.08	See nomenclature breakdown(NB) at end of card	26-12	Cu	2	4.5	300,300	12,10	B, D	2(115),4
SL DN 5.08	See nomenclature breakdown(NB) at end of card	—	—	1	—	300,300	12,10	B, D	2(115),4
BCZ 3.81	See nomenclature breakdown(NB) at end of card	28-16	Cu	2	1.77	300,300	11,10	B, D	2(105),4
SC 3.81	See nomenclature breakdown(NB) at end of card	—	—	1	—	300,300	11,10	B, D	2(105)
BLZ 7.50,	See nomenclature breakdown(NB) at end of card	26-12	Cu	2	4.5	300,300	15,10	B, D	2(105)
BLDT 5.08	See nomenclature breakdown(NB) at end of card	26-12	Cu	1	4.5	300	13	B,D	2,(105),4
		26-12	Cu	2	4.5				

BLDZ 3.5,	See nomenclature breakdown(NB) at end of card	28-14	Cu	2	3.6	300,300	10,10	B, D	2(105), 4
BLAC, BLC5.08	See nomenclature breakdown(NB) at end of card	22-14	Cu	1	—	300, 300	10	B, D	2(105)
SLT 5.08.	See nomenclature breakdown(NB) at end of card	26-12	Cu	1	4.5	300	13	B, D	2(105), 4
		22-12	Cu	2	4.5				
BLCDF 5.08	See nomenclature breakdown(NB) at end of card	22-14	Cu	1	—	300,300	10	B, D	2(105)
SLS 5.08	See nomenclature breakdown(NB) at end of card	28-12	Cu	2	4.5	300, 300	15,10	B, D	2(105), 4
BLZ 7.62	See nomenclature breakdown(NB) at end of card	26-12	Cu	2	4.5	600, 600	15,10	B, D	2(105), 4
SLA	See nomenclature breakdown(NB) at end of card	—	—	1	—	300,300	10,10	B, D	2(105), #
SLAD	See nomenclature breakdown(NB) at end of card	—	—	1	—	300, 300	10,10	B, D	2(105), #
SL 5.08..KU..	See nomenclature breakdown(NB) at end of card	—	—	2	—	300,300	15,10	B, D	2(105)
SLDF 5.08	See nomenclature breakdown(NB) at end of card	—	—	1	—	300,300	10,10	B,D	2(105)
SL 5.10 LS/2-12/90B	—	24-16	Cu	2	—	300	15	B, D	2(105)
SL 5.10 LS/2-12/180B									
UESD S 32	—	—	—	1	—	300	4	B, D	2(105)
/90 or /180									
UESD B 32	—	24-16	Cu	2	4.5	300	4	B, D	2(105), 4

SL 5.00, SL 5.08,	See nomenclature breakdown(NB) at end of card	—	—	1	—	300	15	B, D	2(105), #
SL 7.50, *SL 7.62*	See nomenclature breakdown(NB) at end of card	—	—	1	—	300	15	B, D	2(105), #
BLL 5.00 *BLL 5.08*	See nomenclature breakdown(NB) at end of card	—	—	1	—	300,300	15/10*	B, D	2(105)
SL 7.62...TB	See nomenclature breakdown(NB) at end of card	—	—	1	—	600	15	B, C	2(105), #
SLH-THR 5-08	See nomenclature breakdown(NB) at end of card	—	—	1	—	300	12	B, D	2(130)
SLH-SMT 5.08...	See nomenclature breakdown(NB) at end of card	—	—	1	—	300	18.5	B, D	2(130)
SLD 5.08V/2.48/90	—	—	—	1	—	300	15	B, D	2(105)
SLF 5.08	—	26-14-sol	Cu	2	—	300,300	14,10	B,D	2(75),4
		26-12 str							
		26-14 sol		1		50,50	14,14	B,C	
		26-12 str							
BLT 5.08HC (#)		26-12 sol/str	Cu	2	4.4	150	10°	D	2(120),4
SL 5.08 (##)		—	—	1	—	150	10°	D	2(130)

Note: (+) - followed by 02 through 12, followed by 180, followed by blank or F or FI or B, followed by SN or AU or AG, followed by 2 to 5 letters denoting color, followed by BX or TR or RL or blank, followed by PRT or INK or LR or TB or CO or SO or blank.

Note: (*) - Current rating 10A for BLL 5.08...90... alternate construction with one instead of two solder pins per pole.

Note: (#) - followed by /5, followed by /180F, followed by SN, AG or AU, followed by 2 through 5 Letters denoting color, followed by BX, followed by SO.

Note: (##) - followed by /5, followed by /180F, followed by QV5, followed by SN, AG or AU, followed by 2 through 5 Letters denoting color, followed by BX, followed by SO.

Note: (°) - 10A per pole. The 5 poles of the header are connected together by a cross connection bar, that is intended to be soldered to (3) AWG conductors.

SLD 5.08, SLD 5.00, SLD 3.50, SLDV 3.50	See nomenclature breakdown(NB) at end of card	24-16	Cu	1	—	300, 300	15	B, D	2(105)
SLDV-THR 5.00, SLDV-THR 5.08	See nomenclature breakdown(NB) at end of card	—	—	1	10	300, 300	—	B, D	2(130)

SL26H 5.08	See nomenclature breakdown(NB) at end of card	—	—	1	10	300	—	B, D	2(105)
SLAS4	14063.6	22-12	Cu	2	4.5	150, 250,	10,	B, D,	2(130), 4
						300	10, 15	D	
RF15		26-12	Cu	1	4.5	150, 250,	10,	B, D,	2(130), 4
						300	10, 15	D	
SLAS6	14064.6								
RF15									
SLAS8	14065.6								
RF15									
SLAS10	14066.6								
RF15									
SLAS12	14067.6	26-12	Cu	1	4.5	150, 250,	10,	B, D,	2(130), 4
RF15						300	10, 15	D	
SLAS16	14068.6								
RF15									
SLAS24	14070.6								
RF15									
SLAS4	14055.6	22-12	Cu	2	4.5	250, 300	10	B, D	2(130), 4
BB4									
SLAS6	14056.6								
BB4									
SLAS8	14057.6								
BB4									
SLAS10	14058.6								
BB4									
SLAS12	14059.6								
BB4									
SLAS16	14060.6	22-12	Cu	2	4.5	250, 300	10	B, D	2(130), 4
BB4									
SLAS20	14061.6								
BB4									
SLAS24	14062.6								
BB4									
SLA-KU2	13596.6	—	—	1	—	250, 300	10	B, D	2(130), #
SLA-KU3	13597.6								
SLA-KU4	13427.6								
SLA-KU5	13598.6								
SLA-KU7	13600.6								
SLA-KU8	13428.6								

SLA-KU9	13601.6								
SLA-KU10	13602.6								
SLA-KU11	13603.6								
SLA-KU12	13604.6								
SLEH may be followed by -SMT, followed by 5.08, followed by /02 or /03, followed by LI or RE, followed by 12.5, 17.5 or 22.5, followed by 2.4 SN, followed by BK, BL or BE, followed by BX, TU, RL or TY	—	—	—	1		300,300	12.5,10	B, D	2 (105)
SCZ 3.81	See nomenclature breakdown(NB) at end of card	28-16, SOL/STR	Cu	2	1.77	300,300	11,10	B, D	2(120), 4
BCF 3.81	See nomenclature breakdown(NB) at end of card	26-16, SOL/STR	Cu	2	—	300,300	11,10	B, D	2(105), 4(generic)
BCL -SMT 3.81	See nomenclature breakdown(NB) at end of card	—	—	1	—	300,300	11,10	B, D	2(130)###
SC 3.81, SC-SMT 3.81	See nomenclature breakdown(NB) at end of card	—	—	1	—	300,300	11,10	B, D	2(120) 2(130)###
SCD 3.81, SCD-THR 3.81	See nomenclature breakdown(NB) at end of card	—	—	1	—	300,300	11,10	B, D	2(120) 2(130)###
SCDN 3.81, SCDN-THR 3.81	See nomenclature breakdown(NB) at end of card	—	—	1	—	300,300	11,10	B, D	2(120) 2(130)###
SCDV 3.81, SCDV-THR 3.81	See nomenclature breakdown(NB) at end of card	—	—	1	—	300,300	11,10	B, D	2(120) 2(130)###
BVF 7.62 HP(#)		Power 24-8 sol/str Signal 26-16 sol/str	Cu Cu	2 2 1	—	600 300 50	33 9 9	B,C,D B,D C	2(120)
BVF 7.62 HP(#)		Power 24-8 sol/str Signal 26-16 sol/str	Cu Cu	2 2 1	--	600 300 50	35 5 5	B,C,D B,D C	2(120)

SV 7.62 HP(*)		Power	—	1	—	300	33	B,C	1,2(120)
		Signal	—	1	—	600	9	D	
						300		B	
						50		C	
SV 7.62 HP(*)		Power	—	1	—	300	35	B,C	1,2(120)
		Signal	—	1	—	600	5	D	
						300	5	B	
						50	5	C	

Note: ###: for types BCL-SMT, SC-SMT, SCDN-THR, SCDV-THR or SCD-THR only.

Note: (#) - Hybrid Terminal Blocks, followed by /02 through 10, followed by /180°, may be followed by MF or MSF 2, 3 or 4, followed by BCF, followed by 04, 06 or 08, followed by R or L, followed by SN, AG or AU, followed by 2 through 5 letters referencing color, followed by BX, TY RL or TU, may be followed by SO,PRT,INK,LRP,LR

Note: (*) - Hybrid Terminal Blocks Header, followed by /02 through 10, followed by /90° or 270°, may be followed by MF or MSF 2, 3 or 4, followed by SC, followed by 04, 06 or 08, followed by R or L followed by SN, AG or AU, followed by 2 through 5 letters referencing color, followed by BX, TY RL or TU, may be followed by SO,PRT,INK,LRP,LR.

PCT1.5 may	—	22-14	Cu	2	4.5	150,	15	C,	2(105), 4
be followed by H, or 45						300,	10	C,	
followed by /1,						250	15	B	
/2, or /3,		26-14	Cu	1	4.5	150,	15	C	2(105), 4
may be						300,	10	C	
followed by /90						250	15	B	
or /180									
PCT1.5V/45/									
03-508									
PCT1.5V/									
02-10.00									
PCT1.5 may	—	22-16	Cu	2	4.5	300,	15	C,	2(105), 4
be followed by H,						600,	5	D,	
followed by /1,						250	15	B	
/2 or /3,	—	26-16	Cu	1	4.5	300,	15,	C,	2(105), 4
may be						600,	5,	D,	
followed by /90						250	15	B	
or /180									
PCT1.5V/									
03-10.16									
MHSV1 /2,	—	22-16	Cu	2	2.75	300,	2	C,	2(105),
						250		B	4, #
MHSV1 /3,	—	22-16	Cu	1	2.75	300,	2	C,	2(105),
						250		B	4, #
SAK4	6941.0,	22-12	Cu	2	8	600	20	C	2(105)
	16886,	26-12	Cu	1	8	600	20	C	2(105)
	16882,								
LMTD	—	22-12	Cu	2	4.5	300,	10	D,	2(105)
						250		B	

	—	26-12	Cu	1	4.5	300,	10	D,	2(105)
						250		B	
SAK2.5	30162,	22-12	Cu	2	7	600	20	C	2(105)
	30166,	26-12							
SAK6N	6942.0,	22-8	Cu	2	8	600	35	C	2(105)
	24286,	26-8	Cu	1	8	600	35	C	2(105)
	24282,								
SAK10	6943.0	14-8	Cu	2	20	600	35	C	2(105)
MK3/12	2435.6,	22-12	Cu	2	8	250, 300	20	B, C	2(105), 4
	2737.6-								
	2747.6								
MKL3/12	2436.6	Line:	—	2	8	250, 300	20	B, C	2(105), 4
	2499.6,	22-12							
	2748.6-	Load:							
	2769.6	22-16							
MK6/2	6204.6	22-10	—	2	20	250, 300	30	B, C	2(105), 4
MK6/3	6203.6								
MK6/4	6202.6								
MK6/6	2890.6,								
	4184.6-								
	4187.6,								
	6201.6								
GSE10J,	990064	22-8	Cu	2	17.7	150, 250	40	C, B	2(65)
						300, 300	10	C, B	
		26-8	Cu	1	17.7	150, 250	40	C, B	2(65)
						300, 300	10	C, B	
GSE10J	—	22-8	Cu	2	17.7	600, 600	40	C, B	2(65), #
		26-8	Cu	1	17.7	600, 600	40	C, B	2(65), #
AKJ2.5	990201	22-12	Cu	2	4.5	300	10	D, B	2(105)
		26-12	Cu	1	4.5	300	10	D, B	2(105)
ST5	—	20-10	Cu	2	10	600	35	C, B	2(105)
									5, #
	—	20-10	Cu	2	10	600	45	C, B	2(105)
									5, #
BL3.5 (*)	—	28-14	Cu	2	2.25	300, 300	10	D, B	2(105),
SL3.5 (*)	—	—	—	1	—	300	10	D, B	2(105), 4, #25
BLL 3.50 (*)	—	—	—	2	—	300	9	B, D	2(75)
BLF3.5 (*)	—	26-16	Cu	2	—	300	10	B,D	2(105),4
BLF3.5..QV (*)	—	26-16	Cu	2	—	300	10	B,D	2(105),4

Note: (*): followed by special design of device or blank, followed by pitch, followed by special performance type or blank, followed by number of poles, followed by angle, followed by mounting means or blank, followed by special feature or blank, followed by solder pin length or blank, followed by plating of current carrying parts, followed by 2 through 5 letters denoting color of insulating material, followed by kind of package or blank, followed by special identification or blank, followed by additional special identification or blank, followed by QV or blank.

ZPE 1.5 may be	—	26-14	Cu	2	—	300	—	C	2(105), 4
followed by /3AN or /4AN									
ZPE 2.5, ZPE 2.5/3AN, ZPE 2.5/4AN	—	30-12	Cu	2	—	—	—	—	2(105), 4, 6
ZPE 2.5-2/3AN,	—								
ZPE 2.5-2/4AN	—								
ZPE 2.5-2	—	26-12	Cu	2	—	—	—	—	2(110), 4
SL-SmarT 5.0X(1)	—	—	Cu	1	—	300	10	B, D	2(105)
followed by 2...3,									
may be followed by /90 or /180,									
may be followed by G, LF,									
may be followed by SN or AU.									
SL-SMT(1)	—	—	Cu	1	—	300	—	B, D	2(105)
SL-SMT (1)	—	—	Cu	1	—	600	—	B, C, D	2(105)

Note: (1): followed by special design of device or blank, followed by pitch, followed by special performance type or blank, followed by number of poles, followed by angle, followed by mounting means or blank, followed by special feature or blank, followed by solder pin length or blank, followed by 2 through 5 letters denoting color of insulating material, followed by kind of package or blank, followed by special identification or blank, followed by additional special identification or blank.

ZDU 1.5 may be	—	26-14	Cu	2	—	300	15	C	2(105), 4
followed by /3AN or /4AN									
ZPE 4,	—	26-10	Cu	2	—	—	—	—	2(105), #18
ZPE 4/3AN, ZPE 4/4AN	—								4, 6&
ZPE 6,	—	22-8	Cu	2	—	—	—	—	2(105),
ZPE 6/3AN									4, 6&
ZDU 2.5, ZDU, 2.5/3AN, ZDU 2.5/4AN	—	30-12	Cu	2	—	600, 600	25	B, C	2(105),
ZDU 2.5-2	—	26-12	Cu	2	—	600, 600	25	B, C	2(105),
ZDU 2.5/4AN/O.FU	—	26-12	Cu	2	—	600	24	B, C	2(110), 4
ZMAK 2.5,	—	26-12	Cu	2	—	300	25	B, D	2(105), 4, #26
ZDU 2.5/3AN,	—								4
ZDU 2.5/4AN,	—								
ZDU 2.5/2X2AN,	—								
ZDU 2.5-2/3AN,	—								
ZDU 2.5-2/4AN									
ZDU 2.5N, ZDU 2.5N/3AN, ZDU 2.5N/4AN	—	30-12	Cu	2	—	300	20	B, C	2(105), 4

ZPE 2.5N, ZPE 2.5N/3 AN, ZPE 2.5N/4AN	—	30-12	Cu	2	—	—	—	—	2(105), 4, #18
ZDU 4-2/2AN	—	26-10	Cu	2	—	600	33	C	2(105), 4
ZDU 4-2/3AN	—	26-10	Cu	2	—	600	33	C	2(105), 4
ZDU 4-2/4AN	—	26-10	Cu	2	—	600	33	C	2(105), 4
ZDU 6-2/2AN	—	22-8	Cu	2	—	600	45	C	2(105), 4
ZDU 6-2/3AN	—	22-8	Cu	2	—	600	45	C	2(105), 4
ZPE 4-2/2AN	—	26-10	Cu	2	—	—	—	—	2(105), 4
ZPE 4-2/3AN	—	26-10	Cu	2	—	—	—	—	2(105), 4
ZPE 4-2/4AN	—	26-10	Cu	2	—	—	—	—	2(105), 4
ZPE 6-2/2AN	—	22-8	Cu	2	—	—	—	—	2(105), 4
ZPE 6-2/3AN	—	22-8	Cu	2	—	—	—	—	2(105), 4
ZDU 10,	—	16-6	Cu	2	—	600, 600	60	B, C	2(105), 4
ZDU 10/3AN,									
ZDU 10S,	—								
ZNT 10S , ZNT 10	—	16-6	Cu	2	—	600, 600	55	B, C	2(105), 4
ZPE 10,	—	16-6	Cu	2	—	—	—	—	2(105), 4, 6&, #18
ZPE 10/3AN,									
ZPE 10S	—								
ZDU 16,	—	14-4	Cu	2	—	600, 600	65	B, C	2(105), 4
ZEI 16-2/1AN	—	14-4	Cu	2		600	65	C	2(105), 4#
ZDU 16/3AN,									
ZEI 16,	—								
ZDU 16S,	—								
ZDU 35	—	12-2	Cu	2	—	600	120	C	2(105), 4
ZNT 16S, ZNT 16	—								
ZNT 35	—	12-2	Cu	2	—	600	120	C	2(105), 4
ZPE 16,	—	14-6	Cu	2	—	—	—	—	2(105), 4, 6&, #18
ZPE 16/3AN									
ZPE 16S	—								
ZPE 16-2/1AN	—	14-4	Cu	2	—	—	—	—	2(105), 4#
ZPE 35	—	12-2	Cu	2	—	—	—	C	2(105), 4, #18
ZPEA 2.5-2 N	—	26-12	Cu	2	—	—	—	C	2(105), 4, #18
ZPEB 2.5-2/2AN	—	26-12	Cu	—	—	—	—	—	2(105), 4, 6, #
SAKDU 35 and SAKDU 35/ZA PH	—	12-10 sol/str 8-2 str	Cu	2	22.12	600	114	B,C	2(120), 4
SAKDU 50	—	10-1/0	Cu	2	44.3-53.1	600	150	B, C	2(120), 4

		sol/str				600	5	D	
SAKDU 70	—	6-2/0 str	Cu	2	53.1-70.8	600	175	B, C	2(120), 4
						600	5	D	
SAKDU 4/ZZ, SAKDU 4/ZZ/ZA	—	10-22 Sol/Str	Cu	2	4.4	300	30	B,C	2(120), 4
				1			31		
SAKDU 2.5	—	22-12 sol/str	Cu	2	3.5	600	20	B,C	2(115),4
SAKDU 2.5N	—	20-12 sol/str	Cu	2	3.5	600	20	B,C	2(120), 4
SAKDU 4	—	22-10 sol/str	Cu	2	4.4	600	30	B,C	2(115),4
SAKDU 4N	—	20-10 sol/str	Cu	2	4.4	600	30	B,C	2(120), 4
SAKDU 4 ZR, SAKDU 4 ZZ	—	20-10 sol/str	Cu	2	4.4-7.1	300	30	B	2(120), 4
						150	30	C	
						300	10	D	
SAKDU 6, SAKDU 6N	—	22-10 sol/str 8 str	Cu	2	7	600	40	B,C	2(115),4
SAKDU 10	—	16-10 sol/str 8-6 str	Cu	2	10.6	600	59	B,C	2(115),4
SAKDU 10 ZR	—	16-6 sol/str	Cu	2	10.6-14.2	300	65	B	2(120), 4
						150	65	C	
						300	10	D	
SAKDU 16	—	12-10 sol/str 8-4 str	Cu	2	10.6	600	85	B,C	2(115),4
SAKPE 2.5 or 1492X-JG3	—	22-12 sol/str	Cu	2	3.5	—	—	B,C	2(120),4
SAKPE 4 or 1492X-JG4	—	22-10 sol/str	Cu	2	4.4	—	—	B,C	2(120),4
SAKPE 6 or 1492X-JG6	—	22-10 sol/str	Cu	2	7.0	—	—	B,C	2(120),4
		8 str							
SAKPE 10 or 1492X-JG10	—	16-10 sol/str	Cu	2	10.6	—	—	B,C	2(120),4
		8-6 str							
SAKPE 16 or 1492X-JG16	—	12-10 sol/str	Cu	2	10.6	—	—	B,C	2(115),4
		8-4 str							
SAKPE 35 or 1492X-JG35	—	12-10 sol/str	Cu	2	35.4	—	—	B,C	2(115),4
		8-2 str							

SAKTR 4 or 1492X-JKD4	—	22-10 sol/atr	Cu	2	4.4	300	10	B,C	2(105),4
						600	5	D	
SAKTR 4 STB or 1492X-JKD4TP	—	22-10 sol/str	Cu	2	4.4	300	10	B,D	2(105),4
SAKTR 4 ZR, SAKTR 4 ZR STB, SAKTR 4 ZZ, SAKTR 4 ZZ STB	—	20-10 sol/str	Cu	2	4.4-7.1	300	26	B	2(120), 4
						150	26	C	
						300	10	D	
SAKSI 4 or SAKDK 4	—	22-10 sol/str	Cu	2	4.4	300	10	B,D	2(105),4
SAKDK 4 or 1492X-JD4	—	22-10 sol/str	Cu	2	4.4	300	30	B,C	2(115),4
						600	5	D	
SAKDK 4N, SAKDK 4NV	—	22-10 sol/str	Cu	2	4.4-7.1	300	30	B, C	2(120), 4
						600	5	D	
SAKDK 4N PE	—	22-10 sol/str	Cu	2	4.4-7.1	—	—	B, C, D	2(120), 4
SAKTL 6 STB	—	22-10 sol/str	Cu	2	7.1-10.6	300	30	B	2(120), 4
						150	30	C	
						300	10	D	
BUS LINK 55 PBRA, BUS LINK 85 PBRA, BUS LINK 100 PBRA, BUS CONN PBRA	—	Flat conductors (Bus bar)	Cu	2	—	600	250	C	2(120)
CB BUS CONN AG	—		Cu	1	—	600	100	C	—
CB BUS CONN AG	—	Flat conductors (Bus bar)	Cu	1	—	600	130+	C	—
BUS LINK 165 PBRA, BUS LINK 220 PBRA, BUS LINK 275 PBRA, BUS LINK 440 PBRA	—		Cu	2	—	600	250	C	2(120)
CB Bus STAB RI/LE	—		Cu	1	—	600	250+	C	—

Note (+) - This current values are suitable from device to device only without the flow of additional current through the BUS LINKS from other devices.

Type	Cat. No.	Wire Range	Wire Type	FW	TQ Lb In.	V	A	UG	CA
ZDU 4	—	26-10	Cu	2	—	600, 600	33	B, C	2(105),
ZDU 4/3AN,									
ZDU 4/4AN,									
ZDU 6,	—	22-8	Cu	2	—	600, 600	50	B, C	2(105), 4
ZDU 6/3AN	—	22-8	Cu	2	—	600	50	B, C	2(105), 4
ZDTR 2.5	—	26-12	Cu	2	—	300, 300	10	B, D	2(105), 4
ZTR 2.5	—	26-12	Cu	2	—	250, 300	10	B, C	2(105), 4
ZTR 2.5/2AN	—	26-12	Cu	2	—	300, 300	10	B, C	2(105), 4
ZTR 2.5D,	—	26-12	Cu	2	—	250, 300	—	B, C	2(105),

ZTR 2.5/D/DRBR	—								4, 5&
ZTR 2.5/3AN,	—	30-12	Cu	2	—	300, 600	20	B, C	2(105), 3, 5
ZTR 2.5/3AN/D									
may be followed									
by + or -,									
ZTR 2.5/4AN	—	26-12	Cu	2	—	300, 300	10	B, C	2(105), 4
ZTR 2.5/4AN	—	26-12	Cu	2	—	300	10	D	2(105), 4, #13
, followed by O TNHE									
, SI or SI/LD									
ZKB 2.5,	—	26-12	Cu	2	—	300, 300	10	B, C	2(105), 4
ZKS 2.5/1.5,	—	30-12	Cu	2	—	300, 300	10	B, C	2(105), 4
ZTR 2.5/3AN/DRBR	—	26-12	Cu	2	—	300, 300	10	B, C	2(105), 4
ZZA 2.5	—	26-12	Cu	2	—	600, 600	5	B, C	2(105),
									#14
ZDK 1.5	—	28-16	Cu	2	—	300	10	B, D	2(105), 4
ZDK 1.5 DU-PE	—	28-16	Cu	2	—	300	10	B, D	2(105), 4
ZDK 1.5 PE	—	28-16	Cu	2	—	—	—	B, D	2(105), 4
ZDK 1.5 V	—	28-16	Cu	2	—	300	10	B, D	2(105), 4
ZDK 2.5/1.5 N-DU,	—	26-14	Cu	2	—	600, 600	15	B, C	2(105)#9
ZDK 2.5/1.5/D/1,	—					300, 300			#20
ZDK 2.5/1.5/LD/2,									
ZDK 2.5/1.5V,									
ZDK 2.5/1.5,									
ZDK 2.5/1.5/D/4,									
ZDK 2.5/1.5/LD/1,									
ZDK 2.5/1.5 N-PE,									
ZDK 2.5/1.5 DU-PE,									
ZDK 2.5/1.5/D/2,									
ZDK 2.5/1.5/D/5,									
ZDK 2.5/1.5/PE,									
ZDK 2.5/1.5/D/6,									
ZDK 2.5/1.5/D/7									
ZDK 2.5-2	—	30-12	Cu	2	—	600	20	B,C,D	2(105), 4#
ZDK 2.5-2 DU/PE	—	26-12	Cu	2	—	600	20	C	2(105), 4#26, #27
	—	26-12	Cu	2	—	—	—	—	—
ZDK 2.5-2 V	—	30-12	Cu	2	—	600	20	B,C,D	2(105), 4#
ZDK 2.5-2/4AN	—	30-12	Cu	2	—	600	20	B,C,D	2(105), 4#

ZDK 2.5-2/4AN BL	—	30-12	Cu	2	—	600	20	B,C,D	2(105), 4#
ZDKPE 2.5-2	—	26-12	Cu	2	—	600	20	C	2(105), #18, 4
ZDK 2.5-2 PE	—	26-12	Cu	2	—	—	20	C	2(105), #18, 4
ZDK 2.5/3AN, ZDK 2.5/3AN V, ZDK 2.5/3AN D	—	30-12	Cu	2	—	300	20	B, C	2(105), 4
ZDK 2.5/3AN DU-PE	—	30-12	Cu	2	—	300	20	B, C	2(105), 4, #27
ZDK 2.5/3AN PE	—	30-12	Cu	2	—	—	—	—	2(105), 4, #18
ZDK 4S/L	—	26-10	Cu	2	—	600, 600	33	B, C	2(105)
						300, 300			#20
ZDK 4-2 (1)	—	26-10	Cu	2	—	600	25	C	2(105), 4
ZDK 4-2 (2)	—	26-10	Cu	2	—	—	—	C	2(105), 4
ZDK 4-2/2AN	—	26-10	Cu	2	—	150, 600, 1000, 1000 ac/dc	34	A, B,C, E	2(115), 4
Note: (1) May be followed by EL, V, /D1, /D2, /D4, /D5, /D6, /R or /SO7 K140									
Note: (2) Followed by DU-PE or PE									
ZDK 6S/L/L	—	22-8	Cu	2	—	600, 600	38	B, C	2(105)
						300, 300			#20
ZDKS 2.5/1.5,	—	26-14	Cu	2	—	300, 300	10	B, C	2(105)#6
ZDKB 2.5/1.5	—					300, 300			#11, #12
ZKBD 2.5/1.5,	—	26-14	Cu	2	—	300, 300	12	B, C	2(105)#18
ZKSD 2.5/1.5,									
ZBLD 2.5/1.5,									
ZSLD 2.5/1.5									
ZKBD 2.5/1.5 PE,	—	26-14	Cu	2	—	—	—	—	2(105)
ZKSD 2.5/1.5PE									
ZDUB 2.5.2	—	26-12	Cu	2	—	600, 600	20	B, C	2(105)
ZDUA 2.5.2						600			
ZDUA 2.5-2 N	—	26-12	Cu	2	—	600	20	C	2(105), 4
ZDLD 2.5.2	—	26-12	Cu	2	—	600, 600	15	B, C	2(105), #20
						300, 300			
ZDLD 2.5-2 N, ZDLD 2.5-2 VN	—	26-12	Cu	2	—	300	15	B, D	2(105), 4, #
ZDLD 2.5-2N/PE/L/L, ZDLD 2.5-2N/PE/L/N	—	26-12	Sol/str Cu	2	—	300/150 (33)	15 (33)	B,C,D	2(115)
ZDLD 2.5-2N PE	—	26-12	Sol/str Cu	2	—	—	—	B,C,D	2(115)

ZDL 2.5/L,	—	26-12	Cu	2	—	—	—	—	2(105), #18
ZDL 2.5/N,									
ZDL 2.5/L/L,									
ZDL 2.5/N/L,									
ZDL 2.5/L/PE,									
ZDL 2.5/L/L/PE,									
ZDL 2.5/N/L/PE,									
ZDL 2.5/NT/L/PE,									
ZDL 2.5/TR/DU,									
ZDL 2.5/TR/DU/PE,									
ZDL 2.5/SI/DU,									
ZDL 2.5/SI/DU LD,									
ZDL 2.5/SI/DU/PE,									
ZDL 2.5/SI/DU/PE LD									
ZTR 6-2 °	—	22-8 sol/str	Cu	2	—	300	25	B, C	2(115), 4
						600	5	D	
ZTR 6-2E °	—	22-8 sol/str	Cu	2	—	300	25	B, C, D	2(115), 4
Note: (°) - may be followed by /230V UC, /24V DC or blank, followed by 2 through 5 letters denoting color of insulating material or blank.									
Note: (+) - followed by 2 through 5 letters denoting color of insulating material or blank.									
ZRV1.5,	—	26-14	Cu	2	—	150, 150	10	C, D	2(105)
ZRV1.5/PE	—								4, 6, #9
ZRV 2.5/4 (4) with STGH and ZRV Plug	—	24-14	Cu	1	—	300	10	B, C	2(115),4,7
ZRV 2.5 (1)	—	26-14	Cu	2	—	300, 600	10	B, C, D	2(105), 4
ZDDV 2.5 EAT(2)	—	26-12 SOL/STR	Cu	2	—	600	10	B, C, D	2(115)
ZDDH 2.5 EAT(2)	—	26-12 SOL/STR	Cu	2	—	600	10	B, C, D	2(115)
STGH EAT(3)	—	22-18 STR	Cu	1	—	600	10	B, C, D	2(115)
Note: (1) Terminal block type ZRV 2.5 is provided with crimp connections embedded in a plug. These connection have a wire range of 22-14 AWG.									
Note: (2) Terminal block types ZDDV 2.5 EAT and ZDDH 2.5 EAT are intended for use with pluggable terminal block type STGH EAT									
Note: (3) Pluggable terminal block type STGH EAT is integrated with two crimped contacts of type FEKO 0.5-1DP 0.6x1.5									
Note: (4) Terminal block type ZRV 2.5/4 with STGH and ZRV Plug is only provided with crimp connections embedded in a plug									
ZSI 2.5, ZSI 2.5/LED	—	26-12	Cu	2	—	250, 300	10	B, C	2(105), #7
ZSI 2.5/2, ZSI 2.5/2/LED	—	26-12	Cu	2	—	600, 600	16	B, C	2(105), #7

ZSI 6-2/FC, ZSI 6-2/FC LD	—	22-10	Cu	2	—	300	30	C	2(105), 4#7
ZSI 6-2/2x2.5/G20, ZSI 6-2/2x2.5/G25	—	26-12 20-8	Cu	2	—	300	10	C	2(120), 4, #7, #28
ZSI 6-2/2x2.5/G20 GL or LD, ZSI 6-2/2x2.5/G25 GL or LD	—	26-12 20-8	Cu	2	—	600	5	D	2(120), 4, #7, #28
ZSI 2.5-2/2x2AN/G20, ZSI 2.5-2/2x2AN/G25	—	26-12	Cu	2	—	300	10	C	2(120), 4, #7, #28
ZSI 2.5-2/2x2AN/G20 GL or LD, ZSI 2.5-2/2x2AN/G25 GL or LD	—	26-12	Cu	2	—	600	5	D	2(120), 4, #7, #28
ZSI 2x6/4x2.5, ZSI 2x6/4x2.5 FC	—	Line 20-8 Load 26-12	Cu	2	—	600	20	B,C, D	2(105), 4, #32
ZTL 6, ZTL 6/2STB, ZTD 6, ZTD 6/STB	—	20-8	Cu	2	4.5#22	300	33	B, C	2(105), #
WNT 70N	—	6-2/0	Cu	2	87	600	175	B, C	2(105), 4
WDU 70N/35	—	6-2/0	Cu	2	87	600	175	B, C	2(105), 4
WPE 70N/35	—	6-2/0	Cu	2	87	—	—	—	2(105), #9
LPZF, LPZFE,	—	26-14	Cu	2	—	300, 300	10	B, D	2(105)4
LMZFE 5.08/135,									
LMZF 5.08/135,									
LMZF 5.08/90,									
LMZF 5.08/180									
LMZF-SMT 5.08/2-12/90	—	26-14	Cu	2	—	300	10	B, D	2(105), 4
LMZF 9.52/2-24/180 4.0 4QV2	—	26-12	Cu	2	—	600	25	B, C, D	2(105), 4
followed by color code									
LSF-SMT 3.50, LSF-SMD 3.50, LSF-SMT 3.81, LSF-SMD 3.81, LSF-SMT 5.00, LSF-SMD 5.00, LSF-SMT 5.08, LSF-SMD 5.08	See nomenclature breakdown (NB) at end of card	28-14	Cu	2	—	300,300	12,10	B, D	2(105), 4
LSF-SMT 7.50, LSF-SMD 7.50, LSF-SMT 7.62,	See nomenclature breakdown (NB) at end of card	28-14	Cu	2	—	300, 150,300	12, 12, 10	B, C, D	2(105), 4

LS2HF 3.50	See nomenclature breakdown (NB) at end of card	26-16	Cu	2	—	150	10	B	2(120), 4
				1			12.5		
LPZF2H 5.08/135	—	26-12	Cu	2	—	300	10	B, D	2(105)4
LMFS or LMF.... (1)	—	12-24 str	Cu	2	—	300	20	B	2(120),4
		14-24 sol					15		
		12-24 str				300	10	D	
		14-24 sol				150	15	D	
Note: (1) - followed by 5.00 or 5.08, followed by 2 through 24, followed by 90 or 180, followed by 3.5, followed by SN, Ag or AU, followed by followed by 2 to 5 letters denoting color, followed by BX, RL, TR or blank.									
ZSB1.5, ZSR1.5,	—	26-14	Cu	2	—	300	10	D	2(105)4, #9, #13
ZIA1.5 and ZPV1.5									
BLDZF	—	26-12	Cu	2	—	300, 300	10	B, D	2(75)4
followed by									
5.08, followed by /02-24, may be followed by additional letters or numbers.									
SLZF	—	26-12	Cu	2	—	300, 300	10	B, D	2(105)4
followed by 5.00,									
5.10, 7.50 or 7.62,									
followed by/02-24									
May be followed by /90, /180 or /270,									
may be followed by additional letters or numbers									
SLZF 5.08	—	26-12	Cu	2	—	300, 300	10	B, D	2(105)4
may be followed									
by 90, 180 or 270,									
followed by 2-24,									
maybe followed									
by F or FI									
BLDZF	—	26-12	Cu	2	—	300, 300	10	B, D	2(75)4
followed by 5.08,									
followed by 2-24									
BLZF	—	26-12	Cu	2	—	300, 300	10	B, D	2(75)4
followed by 5.00,									
5.08, 5.10, 7.50									

or 7.62,									
followed by /02-24, may be followed									
by /90, /180 or /270,									
May be followed by F or LH,									
may be followed									
by additional letters or numbers									
BLZF	—	26-14	Cu	2	—	300, 300	10	B, D	2(75)4
followed by 3.5 or 3.50,									
followed by /02-24									
may be followed by /90, /180 or									
/270, may be followed by F or LH									
may be									
followed by additional letters or numbers									
KSBT/10	—	10	Cu	2	21	600, 600	30	B, C	2(105)4
KSBT/10	—	12-16	Cu	2	21	600, 600	20	B, C	2(105)
WDTR 2.5,	—	22-12	Cu	2	5	300, 600	10	B, D	2(105)#7
WDTR 2.5/WE									
B2L 3.5	See nomenclature breakdown(NB) at end of card	28-16	Cu	2	—	300	10	B,	2(105), 4
	—	28-16	Cu	1	—	50	10	C	2(105)
B2L 3.5..QV..	—	28-18	Cu	2	—	300	7	B,	2(75), 4
	—	28-18	Cu	1	—	50	7	C	2(75)
S2L 3.5	—	—	Cu	1	—	300	10	B	2(105)
						50	10	C	
S2LN	—	—	Cu	1	—	150	10	B	2(130)
						50	10	C	
S2L-SMT 3.5	—	—	Cu	1	—	150	10	B	2(105), #
						50	10	C	
BLR/SLE	—	—	Cu	1	—	150, 300	10	B, D	2(125), 5
BLR 5.00/27	—	—	Cu	1	—	300	10	B, D	2(125), 5

BLIDC3.5, BLIDCB3.5	—	22-20#	Cu	2	—	300	7	B, D	2(130), 4
Note: # - Solid/stranded provided with 0.38 mm insulation thickness.									
BLIDC5.08	—	22-20	Cu	2	—	300, 300	5	B, D	2(130), 4
IDK 1.5 N,	—	24-16(1)	Cu	2	—	300	10	B, C, D	2(105), 4
IDK 1.5 N/ZB	—	24-16(1) 26-12(2)	Cu	2	3.5-5.3	300	10	B, C, D	2(105), 4
IDK 1.5 N DU-PE,	—	24-16(1)	Cu	2	—	300	10	B, C, D	2(105), 4, #18
IDK 1.5 N/V		26-12(2)							
IDK 1.5N/D1	—	24-16(1)	Cu	2	9	300	10	B, C, D	2(105), 4#21
		26-12(2)							
IDK 1.5N/D2	—	24-16(1)	Cu	2	9	300	10	B, C, D	2(105), 4#21
		26-12(2)							
IDK 1.5N/	—	24-16(1)	Cu	2	9	115	10	B, C, D	2(105), 4#21
U S07K140		26-12(2)							
IEK 1.5 N 3L	—	24-16(1)	Cu	2	—	300	10	B, C, D	2(105),4
IEK 1.5 N 3L PE	—	24-16(1)	Cu	2	—	300	10	B, C, D	2(105),4,#18
IEK 1.5 N 4L PE	—	24-16(1)	Cu	2	—	300	10	B, C, D	2(105),4
IIK 1.5 N 3L	—	24-16(1)	Cu	2	—	300	10	B, C, D	2(105),4
IIK 1.5 N 4L	—	24-16(1)	Cu	2	—	300	10	B, C, D	2(105),4
IIK 1.5 N 4L PA	—	24-16(1)	Cu	2	—	300	10	B, C, D	2(105),4
IDU 1.5 N,	—	22-16(1)	Cu	2	—	300	10	B, C, D	2(105), 4
IDU 1.5 N/2X2AN,	—	24-16(1)	Cu	2	—	300	10	B, C, D	2(105), 4
IDU 1.5 N/3AN/ZB,	—	24-16(1)26-12(2)	Cu	2	3.5-5.3	300	10	B, C, D	2(105), 4
IDU 1.5 N/3AN		26-12(2)							
IDU 1.5 N/3AN/ZF,	—	24-16(1)26-12(3)	Cu	2	—	300	10	B, C, D	2(105), 4
IDU 1.5 N/4AN,									
IDU 1.5 N/ZF,									
IDU 1.5 N/ZB									
IDU2.5TE	—	18-14	Cu	2	—	300, 300	10	B, C	2(105)

IDU 2.5N	—	20-14(1)	Cu	2	9	600	15	C	2(105)4#21
		26-10(2)							
IDU 2.5N/ZB	—	20-14(1)	Cu	2	9	600	15	C	2(105)4#21
		26-10(2)							
IDU 2.5N/ZF	—	20-14(1)	Cu	2	—	600	15	C	2(105), 4
		26-10(3)							
IDU 2.5N /3AN	—	20-14(1)	Cu	2	9	600	15	C	2(105)4#21
IDU 2.5N/3AN /ZB	—	20-14(1)	Cu	2	9	600	15	C	2(105)4#21
		26-10(2)							
IDU 2.5N /4AN	—	20-14(1)	Cu	2	9	600	15	C	2(105)4#21
IDU 2.5N /2x2 AN with or without D+ or D-	—	20-14	Cu	2	—	600	15	C	2(105), 4
Note: (1) For IDC connectors									
Note: (2) For screw connectors									
Note: (3) For spring force connectors									
IDU1.5TE, IDU1.5	—	24-16	Cu	2	—	300, 300	10	B, C	2(105), 4
IT 1.5 N/4AN/2	—	24-16 (3)	Cu	2	—	300	10	B, C, D	2(105), 4
ITPE 1.5 N/4AN/2	—	24-16 (3)	Cu	2	—	—	—	—	2(105) ,4,#18
ITR2.5TE	—	18-14	Cu	2	—	300, 300	10	B, C	2(105), 4, #21
ITR 2.5N	—	20-14(1)	Cu	2	—	300	15	C	2(105), 4#21
		26-10(2)							
ITR 2.5N SI	—	20-14(1)	Cu	2	—	300	15	C	2(105), 4#21
		26-10(2)							
ITR 2.5N O.TNHE	—	20-14(1)	Cu	2	—	300	15	C	2(105), 4#21
		26-10(2)							
ITR 1.5N O. THNHE	—	22-16(1)	Cu	2	—	600	10	B, C, D	2(105), 4
		26-12(2)							
ITR 1.5 N/SI	—	22-16(1)	Cu	2	—	600	10	B, C, D	2(105), 4, #10
		26-12(2)							
ITR 1.5 N	—	22-16(1)	Cu	2	—	600	10	B, C, D	2(105), 4, #21
		26-12(2)							
ITR 1.5 N/3AN	—	24-16(1)	Cu	2	—	300	10	B, C, D	2(105),4, #21

ITR 1.5 N/3AN SI	—	24-16(1)	Cu	2	—	300	9	B, C, D	2(105), 4, #21
ITR1.5TE	—	24-16	Cu	2	—	300, 300	10	B, C	2(105), 4, #21
IPE 1.5 N,	—	22-16(1)	Cu	2	—			B, C, D	2(105), 4, #10
IPE 1.5 N/3AN,		26-12(2)							
IPE 1.5 N/3AN/ZB,	—	26-12(2)24-16(3)	Cu	2	3.5-5.3	—	—	—	2(105), 4,#18
IPE 1.5 N/3AN/ZF,	—	26-12(2)24-16(3)	Cu	2	—	—	—	—	2(105), 4,#18
IPE 1.5 N/4AN,									
IPE 1.5 N/ZB,									
IPE 1.5 N/ZF									

Note: (1) - Insulating Displacement Connection, wire range for insulating piercing connection: 22-16 AWG Solid/Stranded PVC insulated conductors, style no. 1015, only.

Note: (2) - For Spring-clamp and Screw type.

Note: (3) - Insulation Displacement Connection (IDC), wire range for insulating piercing connection of type IT 1.5 N/4AN/2 and ITPE 1.5 N/4AN/2: 24-16 AWG Solid/Stranded, PVC insulated conductors, style no. 1015, only.

IPE2.5TE	—	18-14	Cu	2	—	—	—	—	2(105), 4, #18
IPE1.5TE	—	24-16	Cu	2	—	—	—	—	2(105), 4, #18
IPE 2.5N	—	20-14(1)	Cu	2	9	—	—	—	2(105), 4, #18
		26-10(2)							
IPE 2.5N/ZB	—	20-14(1)	Cu	2	9	—	—	—	2(105), 4, #18
		26-10(2)							
IPE 2.5N/ZF	—	20-14(1)	Cu	2	—	—	—	—	2(105), 4, #18
		26-10(3)							
IPE 2.5N/3AN	—	20-14(1)	Cu	2	9	—	—	—	2(105), 4, #18
IPE 2.5N/3AN/ZB	—	20-14(1)	Cu	2	9	—	—	—	2(105), 4, #18
IPE 2.5N/4AN	—	20-14(1)	Cu	2	9	—	—	—	2(105), 4, #18

Note: (1) For IDC connectors

Note: (2) For screw connectors

Note: (3) For spring force connectors

ISI1.5TE, ISI2.5TE	—	24-16	Cu	2	—	300, 300	10	B, C	2(105), 4, #21, #23
PMAK 4	—	26-10	Cu	2	—	300	29	B,C,D	2(115), 4

PMAK 4 800V						600			
XN (1)	—	26-14	Cu	2	—	300	10	B, D	2(105), 4, #9, #13
Note: (1) followed by S, P or B, followed by 3, 4 or 6, followed by T, followed by S, B, BN, N, C or B4, followed by B, G or CJ, may be followed by CV.									
XN (2)	—	26-14	Cu	2	3.6	300	10	B, D	2(105), 4, #9, #13
Note: (2) followed by S, P or B, followed by 3, 4 or 6, followed by S, followed by S, B, BN, N, C or B4, followed by B, G or CJ, may be followed by CV.									
ST1B(1)	—	26-14	Cu	2	3.6	300	10	B, D	2(105), 4, #9, #13
Note: (1) followed by S followed by 3, 4 or 6 followed by P, Y, X, IR, or TD, followed by 2, 4, 16 or 32, followed by R, D or H.									
ST1B(2)	—	26-14	Cu	2	—	300	10	B, D	2(105), 4, #9, #13
Note: (2) followed by E followed by 3, 4 or 6 followed by P, Y, X, IR, or TD, followed by 2, 4, 16 or 32, followed by R, D or H.									
PSSu (1)	—	26-14	Cu	2	—	300	10	B, D	2(105), 4, #9, #13
Note: (1) followed by BS or BP, may be followed by -R or -C, followed by 1/8, 1/12, 2/8 or 2/16, followed by C or S, may be followed by -J, -T or -TJ.									
BL I/0	See nomenclature breakdown(NB) at end of card	16 sol/str	Cu	1	—	50	5	B, D	2(105), #24
		24-18 sol/str		2	—	50	5	B, D	2(105), #24
LUP 10.16	See nomenclature breakdown(NB) at end of card	6-22	Cu	2	11	300,300, 600	64,64 5	B,C, D	2(115)4
LUP 10.16...V	See nomenclature breakdown(NB) at end of card	6-22	Cu	2	11	600,600,600	56,56,5	B,C,D	2(115)4
LUP 12.7 *LUP 15.24*	See nomenclature breakdown(NB) at end of card	6-22	Cu	2	11	600,600	65,65	B, C	2(115)4
LUP 12.70/... SO (13)	See nomenclature breakdown(NB) at end of card	6-22 str	Cu	2	11	600,600	65,65	B, C	2(115)4
		10-22 sol	Cu	2	11	600,600	65,65	B,C	
LUP 17.78	—	6-22	Cu	2	11	1000	65	E	2(115),4
BUZ 10.16/HP or BUZ 10.16IT followed by additional suffixes (1)	—	6-22	Cu	2	18	600	57	B, C, D	2(120), 4
		4					60*		

BU 10.16, BUZ 10.16 followed by additional suffixes (2)	—	6-22	Cu	2	18	300, 600	54	B, C, D	2(115), 4
SU 10.16HP or SU 10.16IT followed by additional suffixes (1)	—	—	—	1	—	300, 600	57 60*	B, C, D	2(130)
SUZ 10.16HP or SUZ 10.16IT (1)	—	24-10 sol/str 8-4 str	Cu	2	15.9	600	57	B,C,D	2(120)
BUL 10.16HP or BUL 10.16IT (1)	—	—	Cu	1	—	300 600	—	B,C D	2(120)
BUZ 10.16IT/02 /180MF(3)	—	6-22 4	Cu	2	18	1000	57 60	E	2(120),4
SU 10.16IT/02 /90MF2(4), SU 10.16IT/02 /270MF2(4)	—	—	Cu	1	—	1000	57 60*	E	2(130)
Note: (1): See nomenclature breakdown below at end of Listing Card.									
Note: (2): See nomenclature breakdown below at end of Listing Card. No special performance type HP, IT or HC.									
Note: (3) followed by SN, AG or AU, followed by 2 through 4 letters denoting color, followed by BX, RL, TR or blank.									
Note: (4) followed by 3.5 or blank, followed by SN, AG or AU, followed by 2 through 4 letters denoting color, followed by BX, RL, TR or blank.									
Note: (*) - 60 A is authorized for 4 AWG only.									
BVZ (2A)	—	24-10	SOL/STR	2	4.4	300	31 10	B, C D	2(105), 4
BVZF 7.62 (2A)	See nomenclature breakdown(NB) at end of card	24-10	SOL/STR	2	—	300	31 10	B, C D	2(105), 4
SV 7.62 (2)	See nomenclature breakdown(NB) at end of card	—	—	1	—	300 600	31 5	B, C D	2(105), 4
BVL 7.62 (2A)	See nomenclature breakdown(NB) at end of card	—	—	1	—	300 600	20 5	B, C D	2(105), 4
SVR 7.62 (2A)	See nomenclature breakdown(NB) at end of card	20-12	SOL/STR	2	10.6	300 600	20.5 5	B, C D	2(105), 4
BVZ 7.62HP (2A)	See nomenclature breakdown(NB) at end of card	24-8	SOL/STR	2	5.3	600	40.5 5	B,C D	2(120),4
SVZ 7.62 (2A)	See	24-8	SOL/STR	2	5.3	600	42	B,C	2(120),4

	nomenclature breakdown(NB) at end of card						5	D	
BVL 7.62HP (2A)	See nomenclature breakdown(NB) at end of card	—	—	1	—	300	42	B,C	2(120),4
							10	D	
SV 7.62HP (2A)	See nomenclature breakdown(NB) at end of card	—	—	1	—	300	40.5	B,C	2(120),4
							10	D	
BLZ 7.62HP (2A)	See nomenclature breakdown(NB) at end of card	20-12	SOL/STR	2	4.4	600	20	B,C	2(115),4
							5	D	
SL (2A)	See nomenclature breakdown(NB) at end of card	—	—	1	—	300	20	B,C	2(115),4
						600	5	D	
BVZ7.62IT/02 /180MF.....	—	24-8	Sol/str	2	5.3	1000	40.5	E	2(120),4
SV7.62IT/02 /90MF2... SV7.62IT/02 /270MF2...	—	—	—	1	—	1000	40.5	F	2(120)
						600	40.5	B,C	
BLF 7.50HP, BLF7.62HP (2A)	—	26-14 sol	Cu	2	—	600 ac / dc	13.5	B,C	2(105),4
		26-12 str					20		
		26-14 sol 26-12 str					5	D	
BVZ7.62N (2A)	See nomenclature breakdown(NB) at end of card	14-10 sol/str	Cu	2	4.4	300	30	B,C,D	2(120),4
SV7.62N (2A)	See nomenclature breakdown(NB) at end of card	—	Cu	1	—	300	30	B,C,D	2(120)
SVD 7.62HP (2A) two level version	See nomenclature breakdown(NB) at end of card	—	Cu	1	—	300	25	B,C,D	2(120)
SVD 7.62HP (2A) one level version	See nomenclature breakdown(NB) at end of card	—	Cu	1	—	300	30	B,C,D	2(120)
SLZ 7.62HP (2A)	See nomenclature breakdown(NB) at end of card	20-12 sol/str	Cu	2	4.4	600	17, 5	B,C, D	2(115),4

SLF 7.62HP (2A)	See nomenclature breakdown(NB) at end of card	26-14 sol	Cu	2	—	600	15	B,C	2(115),4
		26-12 str					20		
		26-14 sol, 26-12 str					5	D	
BLL 7.62HP (2A)	See nomenclature breakdown(NB) at end of card	—	Cu	1	—	300, 150, 300	20, 10, 5	B, C, D	2(120),4
BVF 7.62HP (2A), BVFL 7.62HP (2A)	See nomenclature breakdown(NB) at end of card	24-10 sol/str 8 str	Cu	2	—	600	36, 5	B, C, D	2(120),4
		metric wire 10mm2 H07V-R10 str					39, 5	B, C, D	
SVF 7.62HP (2A), SVFL 7.62HP (2A)	See nomenclature breakdown(NB) at end of card	24-10 sol/str, 8 str	Cu	2	—	600	36, 5	B, C, D	2(120),4
		metric wire 10mm2 H07V-R10 str					39, 5	B, C, D	

Note: (2A) followed by number of poles, followed by angle, followed by mounting means or blank, followed by special feature or blank, followed by solder pin length or blank, followed by plating of current carrying parts, followed by 2 through 5 letters denoting color of insulating material, followed by kind of package or blank, followed by special identification or blank, followed by additional special identification or blank. See Model Nomenclature at the end of the card or in Report for details.

Note: (4) followed by /10/90SF 3.5SN SO.

Note: (5) followed by /10SF SN SO.

Note: (13) Model LUP 12.70/... with suffix SO has one housing for all poles.

WPDB 70 1-1 AL	Input/Output	—	Cu	2	199	600	175	B, C	2(110), 4
	2/0-14	9AL			(2/0-1);				
	(A)				80 (2-6);				
	Output 2-14 (#30)				35(8-14)				
WPDB 70 1-1	Input/Output	—	Cu	2	(2/0-1) 100	600	175	B, C	2(105), 4
	2/0-14, #30				(2-6)80,				
					(8-14) 35				
WPDB 70/35 1-4 AL	Input	—	Cu	2	100	600	175	B, C	2(110), 4
	2/0-14	9AL			(2/0)-1;				
	(A)				80(2-6);				
	Output				35(8-14)				
	2-14								
	(A)								
WPDB 70/35 1-4	Input 2/0-14	—	Cu	2	(2/0-1) 100	600	175	B, C	2(105), 4
	Output 2-14 (#31)				(2-6)80,				

					(8-14)35				
WPDB 185/35 1-8 AL	Input (large hole) 350-6; Input (small hole) 2/0-14	—	Cu	2	200 (350-3/0); (2/0-1) 100, (2-6) 80, (8-14) 35	600	310	B, C	2(110), 4
	350-6	9AL							
	Output				100(2/0-1):				
	2-14 (#31)								
	(A)				80(2-6);				
					35(8-14)				
WPDB 185/35 1-8	Input (large hole) 350-6; Input (small hole) 2/0-14	—	Cu	2	(350-3/0) 200; (2/0-1) 100, (2-6) 80, (8-14) 35	600	310	B, C	2(105)
	Output 2-14, #31				(2-6)80,				
					(8-14)35				
WMF 2.5, WMF 2.5 PE	—	26-12 sol/str	Cu	1	4.4 thru 5.3	600	26[2]	B,C,D	2(115)
WMF 2.5, WMF 2.5 PE	—	26-12 sol/str	Cu	2	4.4 thru 5.3	600	20[2]	B,C,D	2(115),4
WMF 2.5 BLZ, WMF 2.5 BLZ PE	—	26-12 sol/str	Cu	1	4.4 thru 5.3	300 150 300	26[2]	B D D	2(115)
WMF 2.5 BLZ, WMF 2.5 BLZ PE	—	26-12 sol/str	Cu	2	4.4 thru 5.3	300 150 300	20[2]	B D D	2(115),4
WMF 2.5 DI PE, WMF 2.5 DI PE STB or WMF 2.5 FU++, WMF 2.5 FU PE++	—	26-12 sol/str	Cu	2	4.4 thru 5.3	600	19[2]	B,C,D	2(115),4
WMF 2.5 DI BLZ PE, WMF 2.5 DI BLZ, WMF 2.5 DI BLZ PE STB, WMF 2.5 DI BLZ STB or WMF 2.5 FU BLZ++, WMF 2.5 FU BLZ PE++	—	26-12 sol/str	Cu	2	4.4 thru 5.3	300 150 300	19[2]	B D D	2(115),4
WMF 2.5 FU# or WMF 2.5 DI PE#, WMF 2.5 DI PE STB#	—	26-12 sol/str	Cu	2	4.4 thru 5.3	600	17[2]	B,C,D	2(115),4

WMF 2.5 FU BLZ# or WMF 2.5 DI BLZ PE#, WMF 2.5 DI BLZ#, WMF 2.5 DI BLZ PE STB#, WMF 2.5 DI BLZ STB#	—	26-12 sol/str	Cu	2	4.4 thru 5.3	300 150 300	17[2]	B D D	2(115),4
WMF 2.5 FU, WMF 2.5 FU PE* or WMF 2.5 DI PE*, WMF 2.5 DI PE STB**	—	26-12 sol/str	Cu	2	4.4 thru 5.3	600	10[2]	B,C,D	2(115),4
WMF 2.5 FU BLZ*, WMF 2.5 FU BLZ PE* or WMF 2.5 DI BLZ PE*, WMF 2.5 DI BLZ*, WMF 2.5 DI BLZ PE STB*, WMF 2.5 DI BLZ STB	—	26-12 sol/str	Cu	2	4.4-5.3	300 150 300	10[2] 9.5[3]	B D° D°	2(115),4
WMF 2.5 DI BLZ SW WO.DL +++	—	26-12 sol/str	Cu	2	4.4-5.3	300 150 300	19[2]	B D° D°	2(115),4
WMF 2.5 DI BLZ SW WO.DL ++++	—	26-12 sol/str	Cu	2	4.4-5.3	300 150 300	10[2] 9.5[3]	B D° D°	2(115),4
WMF 2.5 DI BLZ SW WO.DL +++++	—	26-12 sol/str	Cu	2	4.4-5.3	300 150 300	17[2]	B D° D°	2(115),4
WMF 2.5 DI, WMF 2.5 PE, WMF 2.5 DI PE, WMF 2.5 DI PE, STB, WMF 2.5, WMF 2.5 FU SW, WMF 2.5 FU 10-36V SW, WMF 2.5 FU 30-70V SW, WMF 2.5 FU 60-150V SW, WMF 2.5 FU 100-250V SW, WMF 2.5 FU PE SW, WMF 2.5 FU PE 10-36V SW, WMF 2.5 FU PE 30-70V SW, WMF 2.5 FU PE 60-150V SW, WMF 2.5 FU PE 100-250V SW	—	26-12 2x 14 sol/str	Cu	2	4.4 thru 5.3	600	19	B,C,D°	2(115),4
	—	3x 16 sol/str	Cu	2	4.4 thru 5.3	600	19	B,C,D°	2(115),4
	—	3x 18 sol/str	Cu	2	4.4 thru 5.3	600	19	B,C,D°	2(115),4

	—	4x 20 sol/str	Cu	2	4.4 thru 5.3	600	19	B,C,D°	2(115),4
	—	4x 22 sol/str	Cu	2	4.4 thru 5.3	600	19	B,C,D°	2(115),4
	—	4x 24 sol/str	Cu	2	4.4 thru 5.3	600	19	B,C,D°	2(115),4
	—	4x 26 sol/str	Cu	2	4.4 thru 5.3	600	19	B,C,D°	2(115),4
Note: [2]Feed through									
Note: [3]At BLZ Terminal									
Note: * With SIHA 3/20 Fuse holder instead of disconnecting lever									
Note: # With FUCR Fuse holder instead of disconnecting lever									
Note: ++ With disconnecting lever instead of fuse holder									
Note: +++ When used with disconnecting lever									
Note: ++++ When used with SIHA 3/20 Fuse holder									
Note: +++++ When used with FUCR Fuse holder									
ZT 2.5/2AN/1	—	26-12	Cu	2	—	300/600	20/5	C/D	2(105), 4
ZT 2.5/3AN/1	—	26-12	Cu	2	—	300/600	20/5	C/D	2(105), 4
ZT 2.5/4AN/2	—	26-12	Cu	2	—	300/600	20/5	C/D	2(105), 4
ZT 2.5/4AN/4	—	26-12	Cu	2	—	300/600	20/5	C/D	2(105), 4
ZT 4/4AN/2	—	26-10	Cu	2	—	600	28	C	2(115), 4
ZT 4/2AN/1	—	26-10	Cu	2	—	600	28	C	2(115), 4
ZTTR 2.5	—	26-12	Cu	2	—	600	16	C	2(115), 4
ZTPE 2.5/2AN/1	—	26-12	Cu	2	—	—	—	C/D	2(105), 4, #18
ZTPE 2.5/3AN/1	—	26-12	Cu	2	—	—	—	C/D	2(105), 4, #18
ZTPE 2.5/4AN/2	—	26-12	Cu	2	—	—	—	C/D	2(105), 4, #18
ZTPE 2.5/4AN/4	—	26-12	Cu	2	—	—	—	C/D	2(105), 4, #18
ZTPE 4/4AN/2	—	26-12	Cu	2	—	—	—	C	2(115), 4, #18
ZTPE 4/2AN/1	—	26-12	Cu	2	—	—	—	C	2(115), 4, #18
ZDT 2.5/2	—	26-12	Cu	2	—	300/600	20/5	C/D	2(105), 4
ZDT 2.5/2 DU-PE	—	26-12	Cu	2	—	300/600	20/5	C/D	2(105), 4, #18
ZDT 2.5/2 PE	—	26-12	Cu	2	—	—	—	C/D	2(105), 4, #18
ZP 2.5/1AN/1..24	—	26-12	Cu	2	—	300/600	20/5	C/D	2(105), 4
ZP 2.5/1AN ZA O. RA	—	26-12	Cu	2	—	300/600	20/5	C/D	2(105), 4

ZP 2.5/1AN ZA	—	26-12	Cu	2	—	300/600	20/5	C/D	2(105), 4
ZP 2.5/1AN /QV/1..24	—	26-12	Cu	2	—	300/600	20/5	C/D	2(105), 4
ZP 4/1AN/1..24	—	26-10	Cu	2	—	600	28	C	2(115), 4
ZPS 2.5/1AN /QV/1..24	—	26-12	Cu	2	—	300/600	20/5	C/D	2(115), 4
PDU 2.5/4	—	26-10	Cu	2	—	600	30	C	2(65), 4, 6(16x12x6)
PDU 2.5/4/3AN	—	26-10	Cu	2	—	600	30	C	2(65), 4, 6(16x12x6)
PDU 2.5/4/4AN	—	26-10	Cu	2	—	600	30	C	2(65), 4, 6(16x12x6)
PPE 2.5/4	—	26-10	Cu	2	—	—	—	C	2(65), 4 #18, 6(16x12x6)
PPE 2.5/4/3AN	—	26-10	Cu	2	—	—	—	C	2(65), 4 #18, 6(16x12x6)
PPE 2.5/4/4AN	—	26-10	Cu	2	—	—	—	C	2(65), 4 #18, 6(16x12x6)
PDL 4 followed by /L, /N or /NT,	—	28-10	Cu	2	—	300	20	B	2(105), 4
followed by L, followed by /TR						150	20	C	
followed by /DU followed by O TNHE						300	10	D	
PDL 4 followed by /L, /N or /NT,	—	28-10	Cu	2	—	300	20	B	2(105), 4, #18
followed by L followed by PE						300	10	D	
Cat. No. PDL 4 followed by /TR followed by /DU									
followed by /PE or /PE O TNHE.									
PDU 6/10, PDU 6/10/3AN	—	14-8	Cu	2	—	600	44	B, C	2(105), 4, 6(16x12x6)
PDU 6/10/4AN	—	16-8	Cu	2	—	600	47	B,C,D	6(105)
PPE 6/10, PPE 6/10/3AN	—	14-8	Cu	2	—	—	—	B, C	2(105), 4, #18, 6(16x12x6)
PDU 16, PEI 16	—	14-4	Cu	2	—	600	75	B, C	2(105), 4
PPE 16	—	14-4	Cu	2	—	—	—	B, C	2(105), 4, #18

PTL 6/10, PTD 6/10	—	16-8	Cu	2	—	600	45	B,C,D	6(105)
PDK 2.5/4, may be followed by V or N/L	—	26-10 SOL/STR	Cu	2	—	600	30, 30, 5	B, C, D	2(105)
PDK 2.5/4 L-PE or PDK 2.5/4 N-PE	—	26-10 SOL/STR	Cu	2	—	600/- (***)	30/-30/-5/-(***)	B, C, D	2(105)
PDK 2.5/4 PE	—	26-10 SOL/STR	Cu	2	—	—	—	B, C, D	2(105), 6(16x12x6)
PTR 2.5/4, may be followed by 3AN, 4AN, BL, 3AN BL or 4AN BL	—	26-10 SOL/STR	Cu	2	—	600	24, 24, 5	B, C, D	2(105)
Note: (***) Terminal Blocks of type PDK 2.5/4 L-PE or PDK 2.5/4 N-PE are provided with two Current bars. The lower Current bar serves as grounding connection and is interconnected with grounding foot for mounting to DIN Rails.									
AR S00 SIE3RT1916-4RD01	—	20-8 sol/str	Cu	2	0.5-0.8	600	16	C	2(105), 4, #18
AR S0 SIE3RT1926-4RD01	—	20-8 sol/str	Cu	2	0.5-0.8	600	25	C	2(105), 4, #18
ST S0/S00 SIE3RT1900-4RE01	—	20-8 sol/str	Cu	2	0.5-0.8	600	25	C	2(105), 4, #18
WGKV 4, WGK 4I	—	30-10 sol/str	Cu	2	5.3	300/150	30	B/C	2(115), 4
WGKV 4, WGK 4I	—	30-10 sol/str	Cu	2	5.3	300	30	C#	2(115), 4
WGKV 4, WGK 4I	—	30-10 sol/str	Cu	2	5.3	300	10	D	2(115), 4
WGK 4 WGK 4I	—	30-10 sol/str	Cu	2	5.3	300/150	30	B/C	2(115), 4
WGK 4 WGK 4I	—	30-10 sol/str	Cu	2	5.3	300	30	C#	2(115), 4
WGK 4 WGK 4I	—	30-10 sol/str	Cu	2	5.3	300	10	D	2(115), 4
WGK, followed by 4, followed by VP, may be followed by Z	—	30-10 sol/str	Cu	2	5.3	300	30	B,C#, D	2(105), 4
				1	Solder connection				
WGK, followed by 4, followed by VP, may be followed by Z, followed by GN/YE	—	30-10 sol/str	Cu	2	5.3	—	—	B, D	2(105), 4
				1	Solder connection				
V, followed by WGK, followed by 4, may be followed by DP.	—	30-10 Sol/Str	Cu	2	5.3	300	30	B, C, D	2(115),4
				1	Solder connection				

V, followed by WGK, followed by 4, may be followed by DP, followed by GN/YE	—	30-10 Sol/Str	Cu	2	5.3	—	—	B, C, D	2(115),4
				1	Solder connection				
V, followed by WGK, followed by 6, may be followed by DP	—	22-10 Sol 22-8 Str	Cu	2	7.1	300	50	B, C, D	2(115),4
				1	Solder connection				
V, followed by WGK, followed by 6, may be followed by DP, followed by GN/YE	—	22-10 Sol 22-8 Str	Cu	2	7.1	—	—	B, C, D	2(115),4
				1	Solder connection				
WGKV 4, WGK 4I, followed by GR/YE	—	30-10 sol/str	Cu	2	5.3	—	—	C	2(105),4,#29
WGKV 10, WGK 10I	—	24-6 sol/str	Cu	2	13.3	300	65	B/C	2(115), 4
WGKV 10, WGK 10I, followed by GN/YE	—	24-6 sol/str	Cu	2	13.3	—	—	B/C	2(115),4
WGKV, followed by 16, followed by VP, followed by GN/YE	—	20-4 sol/str	Cu	2	30.97	—	—	B/C/D	2(115),4
WGKV 16, followed by VP, may be followed by Z	—	20-4 sol/str	Cu	2	30.97	600	85	B/C/D	2(115),4
WGK, followed by 10, followed by VP, may be followed by Z	—	24-6 sol/str	Cu	2	13.3	300	65	B,C#, D	2(115),4
				1	Solder connection				
WGK, followed by 10, followed by VP, may be followed by Z, followed by GN/YE	—	24-6 sol/str	Cu	2	13.3	—	—	B, D	2(115),4
				1	Solder connection				

WGK may be followed by V, followed by 16, may be followed by I or Z	—	20-4 sol/str	Cu	2	30.97	600	85	B/C	2(115), 4
WGK, followed by, 16 followed by VP, may be followed by Z.	—	20-4 sol/str	Cu	2	30.97, 17.1 for cable lug	600	85	B/C	2(115),4,5
WGK may be followed by V, followed by 16, may be followed by I or Z, followed by GN/YE	—	20-4 sol/str	Cu	2	30.97	—	—	B/C	2(115),4
WGK, followed by 16, followed by VP, may be followed by Z, followed by GN/YE.	—	20-4 sol/str	Cu	2	30.97, 17.1 for cable lug	—	—	B/C	2(115),4,5
WGK may be followed by V, followed by 25, may be followed by I or Z	—	10-3 sol/str	Cu	2	44.25	600	100	B/C	2(115), 4
WGK, followed by, 25 followed by VP, may be followed by F, may be followed by Z.	—	10-3 sol/str	Cu	2	44.25	600	100	B/C	2(1150,4,5
				2	26.56 for cable lug				
WGK may be followed by V, followed by 25, may be followed by I or Z, followed by GN/YE	—	10-3 sol/str	Cu	2	44.25	—	—	B/C	2(115),4
WGK, followed by 25 followed by VP, may be followed by F, may be followed by Z, followed by GN/YE.	—	10-3 sol/str	Cu	2	44.25	—	—	B/C	2(115),4,5
				1	26.56 for cable lug				
WGK may be followed by V, followed by 50, may be followed by I or Z	—	6-1/0 sol/str	Cu	2	53.10	600	145	B/C	2(115),4

WGK, followed by, 50 followed by VP, may be followed by F, may be followed by Z; BG WGK 50 PV	—	6-1/0 sol/str	Cu	2	53.10	600	150	B/C	2(115),4
				2	53.1 for cable lug				
WGK, followed by, 95 followed by F, may be followed by VP, may be followed by Z.	—	4-4/0 str	Cu	2	132.76	600	230	B/C	2(115),4,5
				2	88.51 for cable lug				
WGK 95... WGK 95I	—	AWG4-250 Kcmil str	Cu	2	132.76	600	255	B/C	2(115),4
WGK 95... WGK 95I	—	AWG 4-250 Kcmil Str.	Cu	1	132.76	600	285	B,C	2(115), 4
WGK followed 95, followed by KEB followed by a, b or c	—	4-4/0 str	Cu	2	132.76	600	150	B/C	2(115),4
WGK may be followed by V, followed by 50, may be followed by I or Z, followed by GN/YE	—	6-1/0 sol/str	Cu	2	53.10	—	—	B/C	2(115),4
WGK, followed by 50 followed by VP, may be followed by F, may be followed by Z, followed by GN/YE.	—	6-1/0 sol/str	Cu	2	53.10	—	—	B/C	2(115),4,5
				2	53.10 for cable lug				
WGK, followed by 95, followed by F, may be followed by VP, may be followed by Z, followed by GN/YE.	—	4-4/0 str	Cu	2	132.76	—	—	B/C	2(115),4,5
				2	88.51 for cable lug				

WGK, may be followed by V, followed by 95, may be followed by I, may be followed by F, may be followed by Z, followed by GN/YE	—	4-4/0 str	Cu	2	132.76	—	—	B/C	2(115),4

If used with non-conductive mounting walls only.

Cat. No.	Wire Range	Wire Type	FW	TQ Lb In.	V	A	UG	CA
BLF 2.50/xx/180 SN BK BX(a)	28-20	Cu	2	N/A	150	5	B	2(105), 4
BLF 2.50/xx/180 SN BK BX TB(a)	28-20	Cu	2	N/A	300	5	B,D	2(105), 4
SL 2.50/xx/90G 3.2SN BK BX(a), SL 2.50/xx/180G 3.2SN BK BX(a)	N/A	Cu	1	N/A	150	5	B	2(105), 4
SL 2.50/xx/180G 3.2SN BK BX TB(a), SL 2.50/xx/90G 3.2SN BK BX TB(a)	N/A	Cu	1	N/A	300	5	B,D	2(105), 4

Note: (a) xx designates number of poles.

	Suitable Conductors kcmil/AWG		OverCurrent Protection Fuse Required Class/Max Amp Rating						SCCR, RMS	Volts
Cat. No.	Line	Load	J	T	RK1	RK5	G	CC	Sym A	Max
PDU 2.5/4 4AN, PDU 2.5/4 3AN, PDU 2.5/4, PPE 2.5/4, PPE 2.5/4 3AN, PPE 2.5/4 4AN, PDK 2.5/4 PE	10-14 Cu	10-14 Cu	60	60	30	—	30	30	100,000	600
PDU 6/10 3AN, PDU 6/10, PPE 6/10 3AN, PPE 6/10	8-14 Str 10-14 Sol Cu	8-14 Str 10-14 Sol Cu	60	60	30	—	30	30	100,000	600
PDU 16, PEI 16, PPE 16	4-10 Str 10-12 Sol Cu	4-10 Str 10-12 Sol Cu	100	100	60	30	60	30	100,000	600
WDU2.5	12-14 Cu	12-14 Cu	30	30	—	—	30	30	100,000	600
WDU 2.5 F, WDU 2.5/1.5/ZR	12-14 Cu	12-14 Cu	30	30	—	—	30	30	100,000	600
WDU 1.5/BLZ 5.08, WDK 2.5	12-14 Cu	12-14 Cu	30	30	—	—	30	30	100,000	600
KDKS 1/EN4, KDKS1 PE/35	12-14 Cu	12-14 Cu	30	30	—	—	30	30	100,000	600
WDK2.5V, WDK2.51D A.1, WDK 2.5 1D A.2	12-14 Cu	12-14 Cu	30	30	—	—	30	30	100,000	600
WDK 2.5 1R 1K8/0.5W, WDK 2.5/MOV, WDK 2.5/BLZ 5.08	12-14 Cu	12-14 Cu	30	30	—	—	30	30	100,000	600
WDK 2.5/DU-PE, WDK 2.5 PE	12-14 Cu	12-14 Cu	30	30	—	—	30	30	100,000	600
WPE 2.5, WPE 2.5/1.5/ZR, WTR 2.5	12-14 Cu	12-14 Cu	30	30	—	—	30	30	100,000	600

WDK 2.5/TR-DU/o TNHE, WDK 2.5/TR-DU/o TNHE MOV	12-14 Cu	12-14 Cu	30	30	—	—	30	30	100,000	600
WTR 2.5D- 2STB 6.9/2.3	12-14 Cu	12-14 Cu	30	30	—	—	30	30	100,000	600
WTR 2.5 O/TNHE	12-14 Cu	12-14 Cu	30	30	—	—	30	30	100,000	600
WDK 2.5/TR-DU/o TNHE MOV StB	12-14 Cu	12-14 Cu	30	30	—	—	30	30	100,000	600
WDK 2.5/TR-DU/o TNHE MOV StB, WDK 2.5/TR-DU/o TNHE StB	12-14 Cu	12-14 Cu	30	30	—	—	30	30	100,000	600
WDK 2.5/TR-DU-PE/o TNHE, WDK 2.5/TR-PE/o TNHE/MOV	12-14 Cu	12-14 Cu	30	30	—	—	30	30	100,000	600
WDK 2.5/TR-PE/o TNHE/MOV StB, WTR 2.5 STB 2.3	12-14 Cu	12-14 Cu	30	30	—	—	30	30	100,000	600
WDK 2.5/TR-DU-PE/o TNHE StB	12-14 Cu	12-14 Cu	30	30	—	—	30	30	100,000	600
MAK 2.5 DB	12-14 Cu	12-14 Cu	30	30	—	—	30	30	100,000	600
WDK 2.5/R 249	12-14 Cu	12-14 Cu	30	30	—	—	30	30	100,000	600
WDL 2.5/S/L/L/PE/SPZ , WDL 2.5/S/NT/L/PE/SPZ	12-14 Cu	12-14 Cu	30	30	—	—	30	30	100,000	600
WDU4	10-14 Cu	10-14 Cu	60	60	30	—	60	30	100,000	600
WTL 4/2 STB, WDU 4/ZZ, WDU 4/ZR	10-14 Cu	10-14 Cu	60	60	30	—	60	30	100,000	600
WDK 4N, WDK 4N V, WPE 4	10-14 Cu	10-14 Cu	60	60	30	—	60	30	100,000	600
WPE 4/ZZ, WPE 4/ZR, WTR 4	10-14 Cu	10-14 Cu	60	60	30	—	60	30	100,000	600
WTR 4/ZZ, WTR 4/ZZ STB 2.3	10-14 Cu	10-14 Cu	60	60	30	—	60	30	100,000	600
WTR 4 STB, WTR 4/ZR	10-14 Cu	10-14 Cu	60	60	30	—	60	30	100,000	600
WTR 4/ZR STB 2.3, WTL 4	10-14 Cu	10-14 Cu	60	60	30	—	60	30	100,000	600
WPO 4	10-14 Cu	10-14 Cu	60	60	30	—	60	30	100,000	600
WDU6, WPE 6	8-14 Cu	8-14 Cu	100	100	60	30	60	30	100,000	600
WDU10, WPE 10	6-14 Cu	6-14 Cu	100	100	60	30	60	30	100,000	600
WDU16, WPE 16, WNT16N 10x3	4-14 Cu	4-14 Cu	100	100	60	30	60	30	100,000	600
WDU 35,WPE 35	1/0-12 Cu	1/0-12 Cu	200	200	100	30	60	30	100000	600
WDU 50N, WPE 50N	1/0-6 Cu	1/0-6 Cu	200	200	100	30	60	30	100000	600
WDU 70N/35	1/0-3/0 Cu	1/0-3/0 Cu	400	400	200	100	60	30	100000	600
WDU 95N/120N	4-4/0 Cu	4-4/0 Cu	400	400	200	100	60	30	100,.000	600
WPE 95N/120N	4-4/0 Cu	4-4/0 Cu	400	400	200	100	60	30	100,.000	600
ZDU 2.5, ZDU 2.5/4AN	14-12 Cu	14-12 Cu	30	30	—	—	30	30	100000	600
ZT 2.5/2AN/1, ZTPE 2.5/2AN/1	14-12 Cu	14-12 Cu	30	30	—	—	30	30	100000	600
ZDU 35, ZTR 2.5/O. TNHE, ZDU 2.5/4AN	14-12 Cu	14-12 Cu	30	30	—	—	30	30	100000	600
ZDU 2.5/2x2AN, ZDU 2.5/3AN, ZKS 2.5/1.5	14-12 Cu	14-12 Cu	30	30	—	—	30	30	100000	600
ZDK 2.5-2, ZDK 2.5-2 V, ZDKS 2.5/1.5	14-12 Cu	14-12 Cu	30	30	—	—	30	30	100000	600
ZDK 2.5-2/DU-PE, ZDK 2.5-2 PE, ZDL 2.5 S/L/L/PE	14-12 Cu	14-12 Cu	30	30	—	—	30	30	100000	600
ZDL 2.5S/NT/L/PE, ZDL 2.5/TR /DU/PE, ZPE 2.5	14-12 Cu	14-12 Cu	30	30	—	—	30	30	100000	600

ZPE 2.5/4AN, ZPE 2.5/3AN, ZTR 2.5	14-12 Cu	14-12 Cu	30	30	—	—	30	30	100000	600
ZDUA 2.5-2, ZPEA 2.5-2, ZDLD 2.5-2N	14-12 Cu	14-12 Cu	30	30	—	—	30	30	100000	600
ZDL 2.5 S/L/L	14-12 Cu	14-12 Cu	30	30	—	—	30	30	100000	600
ZDL 2.5/L/L/PE	14-12 Cu	14-12 Cu	30	30	—	—	30	30	100000	600
ZT 2.5/4AN/2, ZT 2.5/3AN/1, ZTPE 2.5/3AN/1	14-12 Cu	14-12 Cu	30	30	—	—	30	30	100000	600
ZDU 4, ZDU 4/4AN, ZDU 4/3AN	14-10 Cu	14-10 Cu	60	60	30	—	30	30	100000	600
ZDK 4-2, ZDK 4-2V, ZPE 4, ZPE 4/4AN, ZPE 4/3AN	14-10 Cu	14-10 Cu	60	60	30	—	30	30	100000	600
ZDU 6, ZDU 6/3AN, ZPE 6, ZPE 6/3AN, ZPE 16, ZSI 6-2/FC	14-8 Cu	14-8 Cu	60	60	30	—	60	30	100000	600
ZDU 10, ZPE 10	14-6 Cu	14-6 Cu	100	100	60	30	60	30	100000	600
ZDU 16, ZPE 16	12-4 Str 14-10 Sol Cu	12-4 Str 14-10 Sol Cu	100	100	60	30	60	30	100000	600
ZDU 35, ZPE 35	12-2 Cu	12-2 Cu	200	200	100	30	60	30	100000	600
WPDB 70 1-1 AL	2/1/2000	2/1/2000	200	200	200	100	60	30	100000	600
WPDB 70 1-1 AL	2#4	2#4	200	200	200	100	60	30	100000	600
WPDB 70 1-1 AL	3	3	100	100	—	30	60	30	100000	600
WPDB 70 1-1 AL	6	6	60	60	—	—	30	30	100000	600
WPDB 70 1-1 AL	12	12	30	30	—	—	30	30	100000	600
WPDB 70 1-1 AL	14	14	30	30	—	—	30	30	100000	600
WPDB 70 1-1 AL	2#4	2#4	200	200	200	100	60	30	100000	600
WPDB 70 1-1	2/1/2000	2/1/2000	200	200	200	100	60	30	100000	600
WPDB 70 1-1	2/4/2007	2/4/2007	200	200	200	100	60	30	100000	600
WPDB 70 1-1	3	3	100	100	—	30	60	30	100000	600
WPDB 70 1-1	6	6	60	60	—	—	30	30	100000	600
WPDB 70 1-1	14	14	60	60	—	—	30	30	100000	600
WPDB 70 1-1	2/1/2000	2/1/2000	200	200	200	100	60	30	100000	600
WPDB 70/35 1-4 AL	2/1/2000	4 #2/0	200	200	200	100	60	30	100000	600
WPDB 70/35 1-4 AL	2/4/2007	4 #4-10	200	200	200	100	60	30	100000	600
WPDB 70/35 1-4 AL	3	4 #3	100	100	—	—	60	30	100000	600
WPDB 70/35 1-4 AL	6	4 #6	60	60	—	—	60	30	100000	600
WPDB 70/35 1-4 AL	14	4 #14	60	60	—	—	60	30	100000	600
WPDB 70/35 1-4	2/1/2000	4 #2	200	200	200	100	60	30	100000	600
WPDB 70/35 1-4	2/4/2007	4 #4-10	200	200	200	100	60	30	100000	600
WPDB 70/35 1-4	3	4 #3	100	100	—	—	60	30	100000	600
WPDB 70/35 1-4	6	4 #6	60	60	—	—	60	30	100000	600
WPDB 70/35 1-4	14	4 #14	60	60	30	30	60	30	100000	600
WPDB 185/35 1-8 AL	350 & 2/0	8 #2	400	400	400	200	60	30	100000	600
WPDB 185/35 1-8 AL	350 & 2 #4	8 #4-10	400	400	400	200	60	30	100000	600

WPDB 185/35 1-8 AL	2/1/2000	8 #2	200	200	200	—	60	30	100000	600
WPDB 185/35 1-8 AL	6 & 14	8 #14	200	200	200	100	60	30	100000	600
WPDB 185/35 1-8	350 & 2/0	8 #2	400	400	400	200	60	30	100000	600
WPDB 185/35 1-8	350 & 2 #4	8 #4-10	400	400	400	200	60	30	100000	600
WPDB 185/35 1-8	2/1/2000	8 #2	200	200	200	—	60	30	100000	600
WPDB 185/35 1-8	3	8 #2	100	100	—	—	60	30	100000	600
WPDB 185/35 1-8	6 & 14	8 #14	100	100	100	30	60	30	100000	600

	Suitable Copper Conductor Range		Limiter Fuse			
Cat. No.	**Line**	**Load**	**Ampere Max**	**Fuse Class**	**SCCR**	**Max. Voltage, V**
KDKS 1/EN4, KDKS1 PE/35 KDKS1PE/LLC10-36VACDC, KDKS1PE/LLC30-70VACDC, KDKS1PE/LLC60-150VACDC, KDKS1PE/LLC100-250VACDC KDKS 1EN//LLC 10-36 VAC/DC, KDKS 1EN//LLC 30-70 VAC/DC, KDKS 1EN//LLC 60-150 VAC/DC, KDKS 1EN//LLC 100-250 VAC/DC	12-14	12-14	35	J, T	100,000 A	600

	Suitable Conductors kcmil/AWG		OverCurrent Protection CirCuit Breaker Required			SCCR, RMS	
Cat. No.	**Line**	**Load**	**Mfr**	**Type**	**Max Amp**	**Sym A**	**Volts Max**
WDU2.5, WDU 2.5 F, WDU 2.5/1.5/ZR, WDU 1.5/BLZ 5.08, WDK 2.5, WDK 2.5 F, WDK2.5V, WDK2.51D A.1, WDK 2.5 1D A.2, WDK 2.5 1R 1K8/0.5W, WDK 2.5/MOV, WDK 2.5/BLZ 5.08, WDK 2.5/DU-PE, WDK 2.5 PE, WPE 2.5, WPE 2.5/1.5/ZR, WTR 2.5, WDK 2.5/R 249, WDL 2.5/S/L/L/PE/SPZ, WDL 2.5/S/NT/L/PE/SPZ, WTR 2.5/O. TNHE, KDKS 1/EN4, WDK 2.5/TR-DU/o TNHE, WDK 2.5/TR-DU/o TNHE MOV, WDK 2.5/TR-DU/o TNHE MOV StB, WDK 2.5/TR-DU/o TNHE StB, KDKS1 PE/35, WDK 2.5/TR-DU-PE/o TNHE, WDK 2.5/TR-PE/o TNHE/MOV, WDK 2.5/TR-PE/o TNHE/MOV StB, WDK 2.5/TR-DU-PE/o TNHE StB, WTR 2.5 STB 2.3, MAK 2.5 DB	12-14	12-14	Allen Bradley	140M-D8*-xx, 140M-C2*-B10, 140M-C2*-B16, 140M-C2*-B25, 140M-C2*-Axx	16	30,000	600
				140M-C2*-B40	16	25,000	600

WDU2.5, WDU 2.5 F, WDU 2.5/1.5/ZR, WDU 1.5/BLZ 5.08, WDK 2.5, WDK 2.5 F, WDK2.5V, WDK2.51D A.1, WDK 2.5 1D A.2, WDK 2.5 1R 1K8/0.5W, WDK 2.5/MOV, WDK 2.5/BLZ 5.08, WDK 2.5/DU-PE, WDK 2.5 PE, WPE 2.5, WPE 2.5/1.5/ZR, WTR 2.5, WDK 2.5/R 249, WDL 2.5/S/L/L/PE/SPZ, WDL 2.5/S/NT/L/PE/SPZ , WTR 2.5/O. TNHE, KDKS 1/EN4, WDK 2.5/TR-DU/o TNHE, WDK 2.5/TR-DU/o TNHE MOV, WDK 2.5/TR-DU/o TNHE MOV StB, WDK 2.5/TR-DU/o TNHE StB, KDKS1 PE/35, WDK 2.5/TR-DU-PE/o TNHE, WDK 2.5/TR-PE/o TNHE/MOV, WDK 2.5/TR-PE/o TNHE/MOV StB, WDK 2.5/TR-DU-PE/o TNHE StB, WTR 2.5 STB 2.3, MAK 2.5 DB KDKS1PE/LLC10-36VACDC, KDKS1PE/LLC30-70VACDC, KDKS1PE/LLC60-150VACDC, KDKS1PE/LLC100-250VACDC KDKS 1EN//LLC 10-36 VAC/DC, KDKS 1EN//LLC 30-70 VAC/DC, KDKS 1EN//LLC 60-150 VAC/DC, KDKS 1EN//LLC 100-250 VAC/DC	12-14	12-14	Allen Bradley	140M-D8*-xx	16	65,000	480
				140M-C2*-C10	16	65,000	480
				140M-C2*-Bxx	16	65,000	480
				140M-C2*-Axx	16	65,000	480
				140M-C2*-C16	16	30,000	480
WDU4, WTL 4/2 STB, WDU 4/ZZ, WDU 4/ZR, WDK 4N, WDK 4N V, WPE 4, WPE 4/ZZ, WPE 4/ZR, WTR 4, WTR 4/ZZ, WTR 4/ZZ STB 2.3, WTR 4 STB, WTR 4/ZR, WTR 4/ZR STB 2.3, WTL 4, WPO 4	10-14	10-14	Allen Bradley	140M-F8*-xx, 140M-D8*-C10, 140M-D8*-C16, 140M-D8*-Bxx, 140M-C2*-B10, 140M-C2*-B16, 140M-C2*-B25, 140M-C2*-Axx	32	30,000	600
				140M-C2*-B40	32	25,000	600
WDU4, WTL 4/2 STB, WDU 4/ZZ, WDU 4/ZR, WDK 4N, WDK 4N V, WPE 4, WPE 4/ZZ, WPE 4/ZR, WTR 4, WTR 4/ZZ, WTR 4/ZZ STB 2.3, WTR 4 STB, WTR 4/ZR, WTR 4/ZR STB 2.3, WTL 4, WPO 4	10-14	10-14	Allen Bradley	140M-F8*-xx	32	65,000	480
				140M-D8*-C10	32	65,000	480

				140M-D8*-C16	32	65,000	480
				140M-D8*-C20	32	65,000	480
				140M-D8*-Bxx	32	65,000	480
				140M-C2*-C10	32	65,000	480
				140M-C2*-Bxx	32	65,000	480
				140M-C2*-Axx	32	65,000	480
				140M-D8*-C25, 140MC2*-C16	32	30,000	480
WDU6, WPE6	8-14	8-14	Allen Bradley	140M-F8*-xx, 140M-D8*-C10, 140M-D8*-C16, 140M-D8*-Bxx, 140M-C2*-B10, 140M-C2*-B16, 140M-C2*-B25, 140M-C2*-Axx	32	30,000	600
				140M-C2*-B40	32	25,000	600
WDU6, WPE6	8-14	8-14	Allen Bradley	140M-F8*-xx	32	65,000	480
			Allen Bradley	140M-D8*-C10	32	65,000	480
			Allen Bradley	140M-D8*-C16	32	65,000	480
			Allen Bradley	140M-D8*-C20	32	65,000	480
			Allen Bradley	140M-D8*-Bxx	32	65,000	480
			Allen Bradley	140M-C2*-C10	32	65,000	480
			Allen Bradley	140M-C2*-Bxx	32	65,000	480
			Allen Bradley	140M-C2*-Axx	32	65,000	480
			Allen Bradley	140M-D8*-C25, 140M-C2*-C16	32	30	480

WDU10, WPE10	10-14 Sol 12-14 Str	10-14 Sol 12-14 Str	Allen Bradley	140M-H8P-xx	50	50,000	480
WDU10, WPE10	10-14 Sol	10-14 Sol	Allen Bradley	140M-H8P-xx	50	30,000	600
WDU16, WNT 16N 10X3, WPE 16	4-14	4-14	Allen Bradley	140M-H8P-xx	100	30,000	600
					50	30,000	600
WDU35, WPE35	2-12	2-12	Allen Bradley	140M-H8P-xx	100	50,000	480
					100	30,000	600
WDU2.5, WDU 2.5 F, WDU 2.5/1.5/ZR, WDU 1.5/BLZ 5.08, WDK 2.5, WDK 2.5 F, WDK2.5V, WDK2.51D A.1, WDK 2.5 1D A.2, WDK 2.5 1R 1K8/0.5W, WDK 2.5/MOV, WDK 2.5/BLZ 5.08, WDK 2.5/DU-PE, WDK 2.5 PE, WPE 2.5, WPE 2.5/1.5/ZR, WTR 2.5, WDK 2.5/R 249, WDL 2.5/S/L/L/PE/SPZ, WDL 2.5/S/NT/L/PE/SPZ	12-14 Cu	12-14 Cu	Allen Bradley	140M-D8*-xx, 140M-C2*-B10, 140M-C2*-B16, 140M-C2*-B25, 140M-C2*-Axx	16	30,000	600Y
				140M-C2*-B40	16	25,000	600Y
WTR 2.5 D - 2STB 6.9/2.3, WDK 2.5/TR-DU/o TNHE, WDK 2.5/TR-DU/o TNHE MOV, WDK 2.5/TR-DU/o TNHE MOV StB, WDK 2.5/TR-DU/o TNHE StB, WDK 2.5/TR-DU-PE/o TNHE, WDK 2.5/TR-PE/o TNHE/MOV, WDK 2.5/TR-PE/o TNHE/MOV StB, WDK 2.5/TR-DU-PE/o TNHE StB, WTR 2.5 STB 2.3	12-14 Cu	12-14 Cu	Allen Bradley	140M-D8*-xx, 140M-C2*-B10, 140M-C2*-B16, 140M-C2*-B25, 140M-C2*-Axx	16	30,000	600Y
				140M-C2*-B40	16	25,000	600Y
MAK 2.5 DB	12-14 Cu	12-14 Cu	Allen Bradley	140M-D8*-xx, 140M-C2*-B10, 140M-C2*-B16, 140M-C2*-B25, 140M-C2*-Axx	16	30,000	600Y
				140M-C2*-B40	16	25,000	600Y
KDKS 1/EN4, KDKS1 PE/35 KDKS1PE/LLC10-36VACDC, KDKS1PE/LLC30-70VACDC, KDKS1PE/LLC60-150VACDC, KDKS1PE/LLC100-250VACDC KDKS 1EN//LLC 10-36 VAC/DC, KDKS 1EN//LLC 30-70 VAC/DC, KDKS 1EN//LLC 60-150 VAC/DC, KDKS 1EN//LLC 100-250 VAC/DC	12-14 Cu	12-14 Cu	Allen Bradley	140M-D8*-xx, 140M-C2*-B10, 140M-C2*-B16, 140M-C2*-B25, 140M-C2*-Axx	16	30,000	600Y

				140M-C2*-B40	16	25,000	600Y
WDU2.5, WDU 2.5 F, WDU 2.5/1.5/ZR, WDU 1.5/BLZ 5.08, WDK 2.5, WDK 2.5 F, WDK2.5V, WDK2.51D A.1, WDK 2.5 1D A.2, WDK 2.5 1R 1K8/0.5W, WDK 2.5/MOV, WDK 2.5/BLZ 5.08, WDK 2.5/DU-PE, WDK 2.5 PE, WPE 2.5, WPE 2.5/1.5/ZR, WTR 2.5, WDK 2.5/R 249, WDL 2.5/S/L/L/PE/SPZ, WDL 2.5/S/NT/L/PE/SPZ	12-14 Cu	12-14 Cu	Allen Bradley	140M-D8*-xx	16	65,000	480Y
				140M-C2*-C10	16	65,000	480Y
				140M-C2*-Bxx	16	65,000	480Y
				140M-C2*-Axx	16	65,000	480Y
				140M-C2*-C16	16	30,000	480Y
WDU4, WTL 4/2 STB, WDU 4/ZZ, WDU 4/ZR, WDK 4N, WDK 4N V, WPE 4, WPE 4/ZZ, WPE 4/ZR, WTR 4, WTR 4/ZZ, WTR 4/ZZ STB 2.3, WTR 4 STB, WTR 4/ZR, WTR 4/ZR STB 2.3, WTL 4, WPO 4	10-14 Cu	10-14 Cu	Allen Bradley	140M-F8*-XX, 140M-D8*-C10, 140M-D8*-C16, 140M-D8*-Bxx, 140M-C2*-B10, 140M-C2*-B16, 140M-C2*-B25, 140M-C2*-AXX	32	30,000	600Y
				140M-C2*-B40	32	25,000	600Y
WDU4, WTL 4/2 STB, WDU 4/ZZ, WDU 4/ZR, WDK 4N, WDK 4N V, WPE 4, WPE 4/ZZ, WPE 4/ZR, WTR 4, WTR 4/ZZ, WTR 4/ZZ STB 2.3, WTR 4 STB, WTR 4/ZR, WTR 4/ZR STB 2.3, WTL 4, WPO 4	10-14 Cu	10-14 Cu	Allen Bradley	140M-F8*-XX	32	65,000	480Y
				140M-D8*-C10	32	65,000	480Y
				140M-D8*-C16	32	65,000	480Y
				140M-D8*-C20	32	65,000	480Y
				140M-D8*-Bxx	32	65,000	480Y
				140M-C2*-C10	32	65,000	480Y
				140M-C2*-Bxx	32	65,000	480Y

				140M-C2*-Axx	32	65,000	480Y
				140M-D8*-C25, 140M-C2*-C16	32	30,000	480Y
WDU6	8-14 Cu	8-14 Cu	Allen Bradley	140M-F8*-xx, 140M-D8*-C10, 140M-D8*-C16, 140M-D8*-Bxx, 140M-C2*-B10, 140M-C2*-B16, 140M-C2*-B25, 140M-C2*-Axx	32	30,000	600Y
				140M-C2*-B40	32	25,000	600Y
WDU6	8-14 Cu	8-14 Cu	Allen Bradley	140M-F8*-xx	32	65,000	480Y
			Allen Bradley	140M-D8*-C10	32	65,000	480Y
			Allen Bradley	140M-D8*-C16	32	65,000	480Y
			Allen Bradley	140M-D8*-C20	32	65,000	480Y
			Allen Bradley	140M-D8*-Bxx	32	65,000	480Y
			Allen Bradley	140M-C2*-C10	32	65,000	480Y
			Allen Bradley	140M-C2*-Bxx	32	65,000	480Y
			Allen Bradley	140M-C2*-Axx	32	65,000	480Y
			Allen Bradley	140M-D8*-C25	32	30,000	480Y
			Allen Bradley	140M-C2*-C16	32	30,000	480Y
WDU10, WPE10	10-14 Cu	10-14 Cu	Allen Bradley	140M-H8P-XX	50	50,000	480
			Eaton	Cutler Hammer HMCPE XX			
			Allen Bradley	140M-H8P-XX	50	30,000	600Y
			Eaton	Cutler Hammer HMCPE XX			

	10-14	10-14	Allen Bradley	140MG-H8XX	60	30,000	480
	10-14	10-14	Allen Bradley	140G-H6XX	60	30,000	480
	10-14	10-14	ABB	XT2H	60	30,000	480
	14	14	Allen Bradley	140MG-H8XX	60	42,000	480
	14	14	Allen Bradley	140G-H6XX	60	42,000	480
	14	14	ABB	XT2H	60	42,000	480
	8-14	8-14	Allen Bradley	140MG-H8XX	60	25,000	600
	8-14	8-14	Allen Bradley	140G-H6XX	60	25,000	600
	8-14	8-14	ABB	XT2H	60	25,000	600
WDU16, WNT 16N10X3, WPE 16	4-14 Cu	4-14 Cu	Allen Bradley	140M-H8P-XX	100	30,000	480
			Eaton	Cutler Hammer HMCPE XX			
			Allen Bradley	140M-H8P-XX	50	30,000	600Y
			Eaton	Cutler Hammer HMCPE XX			
	4-14	4-14	Allen Bradley	140MG-H8XX	125	30,000 25,000	480 600
	4-14	4-14	Allen Bradley	140G-H6XX	125	30,000 25,000	480 600
	4-14	4-14	ABB	XT2H	125	30,000 25,000	480 600
	4	4	Allen Bradley	140MG-H8XX	125	50,000	480
	4	4	Allen Bradley	140G-H6XX	125	50,000	480
	4	4	ABB	XT2H	125	50,000	480
	14	14	Allen Bradley	140MG-G8XX	125	30,000	480
	14	14	Allen Bradley	140G-G6XX	125	30,000	480
	14	14	ABB	XT1H	125	30,000	480
	14	14	ABB	XT2H	125	30,000	480
WDU35, WPE35	2-12 Cu	2-12 Cu	Allen Bradley	140M-H8P-XX	100	50,000	480

			Eaton	Cutler Hammer HMCPE XX			
			Allen Bradley	140M-H8P-XX	100	30,000	600Y
			Eaton	Cutler Hammer HMCPE XX			
	1/0-12	1/0-12	Allen Bradley	140MG-G8XX	125	50,000	480
	1/0-12	1/0-12	Allen Bradley	140G-G6XX	125	50,000	480
	1/0-12	1/0-12	Allen Bradley	140MG-H8XX	125	50,000	480
	1/0-12	1/0-12	Allen Bradley	140G-H6XX	125	50,000	480
	1/0-12	1/0-12	ABB	XT1H	125	50,000	480
	1/0-12	1/0-12	ABB	XT2H	125	50,000	480
	1/0-6	1/0-6	Allen Bradley	140MG-H8XX	125	25,000	600
	1/0-6	1/0-6	Allen Bradley	140G-H6XX	125	25,000	600
	1/0-6	1/0-6	ABB	XT2H	125	25,000	600
WDU 50N, WPE50N	2-1/0 Cu	2-1/0 Cu	Allen Bradley	140M-H8P-XX	100	65,000	480Y
			Eaton	Cutler Hammer HMCPE XX			
			Allen Bradley	140M-H8P-XX	100	30,000	600Y
			Eaton	Cutler Hammer HMCPE XX			
	1/0-2	1/0-2	Allen Bradley	140MG-G8XX	125	65,000 25,000	480 600
	1/0-2	1/0-2	Allen Bradley	140G-G8XX	125	65,000 25,000	480 600
	1/0-2	1/0-2	ABB	XT2H	125	65,000 25,000	480 600
	1/0-2	1/0-2	Allen Bradley	140MG-H8XX	125	65,000 25,000	480 600
	1/0-2	1/0-2	Allen Bradley	140G-H6XX	125	65,000 25,000	480 600
	1/0-2	1/0-2	ABB	XT2H	125	65,000 25,000	480 600

WDU 95N/120N	2-3/0 Cu	2-3/0 Cu	Allen Bradley	140U-J0X3	250	65,000	480
					250	30,000	600
	4/0-4	4/0-4	Allen Bradley	140MG-J8XX	250	65,000 25,000	480 600
	4/0-4	4/0-4	Allen Bradley	140G-J6XX	250	65,000 25,000	480 600
	4/0-4	4/0-4	ABB	XT4H	250	65,000 25,000	480 600
WDU 70N/35	4 -1/0	4 -1/0	Allen Bradley	140U-J0X3	150	65,000	480
	1/0	1/0	Allen Bradley	140U-J0X3	150	30,000	600
	3/0-6	3/0-6	Allen Bradley	140MG-J8XX	150	65,000 25,000	480 600
	3/0-6	3/0-6	Allen Bradley	140G-J6XX	150	65,000 25,000	480 600
	3/0-6	3/0-6	ABB	XT4H	150	65,000 25,000	480 600

Note: * - Shall be replaced by an E or N, where the two are identical devices except the N devices do not have a trip mechanism and as such do not provide a motor overload function.

Note: XX - may be followed by suffixes (reflects lower rated CB (MAX. CuRRENT IS ALREADY SHOWN ABOVE) in same frame size)

Cat. No.	Wire Range	Wire Type	FW	TQ Lb In.	V	A	UG	CA
DLD 2.5N	(1-4)26	Cu	2	4.2-4.6	300	10	D	2(105), 4
DLD 2.5N/LD NPN,	(1-4)24							
DLD 2.5N/LD PNP	(1-4)22							
	(1-4)20							
	(1-3)18							
	(1-2)16							
	(1)14							
DLI 2.5N	(1-4)26	Cu	2	4.2-4.6	300	10	D	2(105), 4
DLI 2.5N/LD NPN,	(1-4)24							
DLI 2.5N/LD PNP	(1-4)22							
	(1-4)20							
	(1-3)18							
	(1-2)16							
	(1)14							

PT6	10-14fine stranded (flexible)/10-16fine stranded (flexible)[A]	Cu	2	—	600	30	B, C, D	2(90)
PTS 4, PTDS 4	12-16fine stranded (flexible)	Cu	2	—	600	20	B, C, D	2(105)
PTSI 4/LD	12-16fine stranded (flexible)	Cu	2	—	300/600[B]	20	B, C, D	2(105)
BLDF 5.00, BLDF5.08	14-26 Sol	Cu	2	N/A	300,300	15,10	B, D	2(115), 4
	12-26 Str				300,300	18.5,10	B,D	
BLF 5.08HC BLF 5.00HC	14-26 Sol	Cu	2	N/A	300,300	15,10	B,D	2(115),4
	12-26 Str				300,300	18.5,10	B,D	
SL 5.00HC SL 5.08HC	N/A	Cu	1	N/A	300,300	18.5,10	B,D	2(120)
BSCZ (@1)	14-22, Str/Sol	Cu	2	4.0	300	10	B, D	2(65), 4, #34
SSC (@2)	—	—	1	—	300	10	B, D	2(125), #34
PGK 4 (°)	24-10 stranded	Cu	2	—	300	30	B, D	2(105),4
					150		C	
*WIPRO (Base) **	20-8, sol/str	Cu	2	8.9	300	22	B,D	2(125),4
*WIPRO (Test) **	20-14 str (with cable lugs)	Cu	2	4.4	300	15	B,D	2(125),4,5

Note: (*) - followed by special pole configuration 1 or blank, followed by special pole configuration 2 or blank, followed by special pole configuration 3 or blank, followed by No. of Poles, followed by wiring terminal type or blank, followed by mounting means type or blank.

Note: (@1) followed by 4.00, followed by /03 through /20, followed by /90, followed by CCL, CCR, RP or blank, followed by SN or AU, followed by 2 through 4 letters denoting color, followed by BX, followed by SO or blank.

Note: (@2) followed by 4.00, followed by /03 through /20, followed by /180, followed by PCL, PCR, CCL, CCR, combination of three letter codes, RP or blank, followed by 3.2, followed by SN or AU, followed by 2 through 4 letters denoting color, followed by BX, followed by SO or blank.

Note: [A] Conductor size 10-14 fine stranded (flexible) applicable to IDC (Insulation Displacement Connection) of Cat. No. PT6. Conductor size 10-16 fine stranded (flexible) applicable to Hard-wired load-tap - Spring-action type terminals of Cat. No. PT6.

Note: [B] Voltage rating of 300V or 600V depending on Voltage rating for light emitting diode, integrated in disconnect lever for fuses.

Note: (°) followed by BT, /02 through 99 or blank, followed by 2 to 5 letters denoting color.

Cat. No.	Wire Range	Wire Type	FW	TQ Lb In.	V	A	UG	CA
WPD 106	10 - 1/0 *	Cu	2	88.5	600	150	B,C	2(105),4,5, 6(16x12x6)
	8 - 2/0	Cu	2	88.5	600	160	B,C	2(105),4,5, 6(16x12x6
	Flexibar 15.5 x 3.2 mm	Cu	2	17.7	600	160	B,C	2(105),4,5, 6(16x12x6

	16 - 6	Cu	2	26.6	600	65	B,C	2(105),4,5, 6(16x12x6
	16 - 8 *	Cu	2	26.6	600	50	B,C	2(105),4,5, 6(16x12x6
	14 - 4	Cu	2	26.6	600	85	B,C	2(105),4,5, 6(16x12x6
	16 - 6 *	Cu	2	26.6	600	65	B,C	2(105),4,5, 6(16x12x6
	Line - 6-2/0	Al	2	120.4	600	135	B,C	2(105),4,5
	Line - 6-1/0*	Al	2	120.4	600	120	B,C	2(105),4,5
	T-load - 6	Al	2	45.1	600	50	B,C	2(105),4,5
	B - load - 6-4	Al	2	45.1	600	65	B,C	2(105),4,5
	B - load - 6*	Al	2	45.1	600	50	B,C	2(105),4,5
WPD 108	4 - 3/0 *	Cu	2	168.2	600	200	B,C	2(105),4,5, 6(16x12x6)
	2 - 250 Kcmil	Cu	2	168.2	600	250	B,C	2(105),4,5, 6(16x12x6)
	Flexibar 24 x 10 mm	Cu	2	17.7	600	250	B,C	2(105),4,5, 6(16x12x6)
	14 - 4	Cu	2	26.6	600	85	B,C	2(105),4,5, 6(16x12x6)
	16 - 6 *	Cu	2	26.6	600	65	B,C	2(105),4,5, 6(16x12x6)
	16 - 6	Cu	2	26.6	600	65	B,C	2(105),4,5, 6(16x12x6)
	16 - 8 *	Cu	2	26.6	600	50	B,C	2(105),4,5, 6(16x12x6)
	12 - 2	Cu	2	53.1	600	115	B,C	2(105),4,5, 6(16x12x6)
	14 - 4 *	Cu	2	53.1	600	85	B,C	2(105),4,5, 6(16x12x6)
	Line - 2 - 250 Kcmil	Al	2	200	600	155	B,C	2(105),4,5
	Line - 4-3/0*	Al	2	200	600	205	B,C	2(105),4,5
	T -load - 6-4	Al	2	45.1	600	65	B,C	2(105),4,5
	T -load - 6*	Al	2	45.1	600	50	B,C	2(105),4,5
	M - load - 6	Al	2	45.1	600	50	B,C	2(105),4,5

	B - load - 6-2	Al	2	100	600	90	B,C	2(105),4,5
	B - load - 6-4*	Al	2	100	600	65	B,C	2(105),4,5
WPD 109	2/0-300 Kcmil*	Cu	2	221.3	600	285	B,C	2(105),4,5, 6(16x12x6)
	3/0-350 Kcmil	Cu	2	221.3	600	310	B,C	2(105),4,5, 6(16x12x6)
	Flexibar 24 x 10 mm	Cu	2	17.7	600	310	B,C	2(105),4,5, 6(16x12x6)
	14 - 4	Cu	2	26.6	600	85	B,C	2(105),4,5, 6(16x12x6)
	16 - 6 *	Cu	2	26.6	600	65	B,C	2(105),4,5, 6(16x12x6)
	16 - 6	Cu	2	26.6	600	65	B,C	2(105),4,5, 6(16x12x6)
	16 - 8 *	Cu	2	26.6	600	50	B,C	2(105),4,5, 6(16x12x6)
	12 - 2	Cu	2	53.1	600	115	B,C	2(105),4,5, 6(16x12x6)
	14 - 4 *	Cu	2	53.1	600	85	B,C	2(105),4,5, 6(16x12x6)
	Line 2/0 - 300 Kcmil*	A1	2	200	600	230	B, C	2(105),4,5, 6(16x12x6)
	Line 3/0 - 350 Kcmil	A1	2	200	600	250	B, C	2(105),4,5, 6(16x12x6)
	T-load 6 - 4	A1	2	45.1	600	65	B, C	2(105),4,5, 6(16x12x6)
	T-load 6*	A1	2	45.1	600	50	B, C	2(105),4,5, 6(16x12x6)
	M-load 6	A1	2	45.1	600	50	B, C	2(105),4,5, 6(16x12x6)
	B-load 6 - 2	A1	2	100	600	90	B, C	2(105),4,5, 6(16x12x6)
	B-load 6 - 4*	A1	2	100	600	65	B, C	2(105),4,5, 6(16x12x6)
WPD 104	14 - 4 sol/str	Cu	2	22.1	600	85	B,C	2(105),4, 6(16x12x6)
	16 - 6*	Cu	1	22.1	600	85	B,C	2(105),4,5, 6(16x12x6)
		Cu	2	22.1	600	65	B,C	2(105),4,5, 6(16x12x6)
	16 - 6 sol/str	Cu	2	22.1	600	65	B,C	2(105),4, 6(16x12x6)

	16 - 8*	Cu	2	22.1	600	50	B,C	2(105),4,5, 6(16x12x6)
	16 - 6 **	Cu	2	22.1	600	65	B,C	2(105),4, 6(16x12x6)
	16 - 6 sol/str	Cu	2	22.1	600	65	B,C	2(105),4, 6(16x12x6)
	16 - 8*	Cu	2	22.1	600	50	B,C	2(105),4,5, 6(16x12x6)
	16 - 8 sol/str	Cu	2	18	600	50	B,C	2(105),4, 6(16x12x6)
	16 - 10*	Cu	2	18	600	30	B,C	2(105),4,5, 6(16x12x6)
	Line - 6-4	Al	2	45.1	600	65	B,C	2(105),4,5
	Line - 6*	Al	2	45.1	600	50	B,C	2(105),4,5
	LS - load - 6	Al	2	45.1	600	50	B,C	2(105),4,5
	B - load - 6	Al	2	45.1	600	50	B,C	2(105),4,5
WPD 105	12 - 2 sol/str	Cu	2	31	600	115	B,C	2(105),4,5, 6(16x12x6)
	12 - 4*	Cu	1	31	600	115	B,C	2(105),4, 6(16x12x6)
		Cu	2	31	600	85	B,C	2(105),4,5, 6(16x12x6)
	16 - 6 sol/str	Cu	2	22.1	600	65	B,C	2(105),4, 6(16x12x6)
	16 - 8*	Cu	2	22.1	600	65	B,C	2(105),4,5, 6(16x12x6)
	16 - 6**	Cu	2	22.1	600	65	B,C	2(105),4,5, 6(16x12x6)
	14 - 4 sol/str	Cu	2	22.1	600	85	B,C	2(105),4, 6(16x12x6)
	16 - 6*	Cu	2	22.1	600	65	B,C	2(105),4,5, 6(16x12x6)
	16 - 6 sol/str	Cu	2	22.1	600	65	B,C	2(105),4, 6(16x12x6)
	16 - 8*	Cu	2	22.1	600	50	B,C	2(105),4,5, 6(16x12x6)
	Line - 6-2	Al	2	100	600	90	B,C	2(105),4,5
	Line - 6-4*	Al	2	100	600	65	B,C	2(105),4,5
	LS - load - 6	Al	2	45.1	600	50	B,C	2(105),4,5
	B - load - 6-4	Al	2	45.1	600	65	B,C	2(105),4,5

	B - load - 6*	Al	2	45.1	600	50	B,C	2(105),4,5
	T - load - 6	Al	2	45.1	600	50	B,C	2(105),4,5
WPD 107	6 - 3/0 str	Cu	2	124	600	200	B,C	2(105),4, 6(16x12x6)
	8 - 2/0*	Cu	1	124	600	200	B,C	2(105),4,5, 6(16x12x6)
		Cu	2	124	600	175	B,C	2(105),4,5, 6(16x12x6)
	12 - 2 sol/str	Cu	2	31	600	115	B,C	2(105),4, 6(16x12x6)
	14 - 4*	Cu	2	31	600	85	B,C	2(105),4,5, 6(16x12x6)
	14 - 4 sol/str	Cu	2	22.1	600	85	B,C	2(105),4, 6(16x12x6)
	16 - 6*	Cu	2	22.1	600	65	B,C	2(105),4,5, 6(16x12x6)
	Line - 6-3/0	Al	2	200	600	155	B,C	2(105),4,5
	Line - 6-2/0*	Al	2	200	600	130	B,C	2(105),4,5
	LS - load - 6-2	Al	2	100	600	90	B,C	2(105),4,5
	LS - load - 6-4*	Al	2	100	600	65	B,C	2(105),4,5
	load - 6-4	Al	2	45.1	600	65	B,C	2(105),4,5
	Load - 6*	Al	2	45.1	600	50	B,C	2(105),4,5
WPD 101, WPD 201, WPD 301	Line 14 - 4	Cu	1	22.1	600	90	B,C	2(115),4,5
	Line 14 - 4	Cu	2	22.1	600	85	B,C	2(115),4,5
	Line 16 - 6*	Cu	1	22.1	600	90	B,C	2(115),4,5
	Line 16 - 6*	Cu	2	22.1	600	65	B,C	2(115),4,5
	Load 14 - 6	Cu	2	22.1	600	65	B,C	2(115),4,5
	Load 16 - 8*	Cu	2	22.1	600	50	B,C	2(115),4,5
WPD 102	Line 12 - 2	Cu	1	31	600	125	B,C	2(115),4,5
	Line 12 - 2	Cu	2	31	600	115	B,C	2(115),4,5
	Line 14 - 4*	Cu	1	31	600	115	B,C	2(115),4,5

	Line 14 - 4*	Cu	2	31	600	85	B,C	2(115),4,5
	Load 14 - 4	Cu	2	22.1	600	85	B,C	2(115),4,5
	Load 16 - 6*	Cu	2	22.1	600	65	B,C	2(115),4,5
WPD 103	Line 8 - 2/0	Cu	2	88.5	600	160	B,C	2(115),4,5
	Line 10 - 1/0*	Cu	2	88.5	600	150	B,C	2(115),4,5
	Load 10 - 1/0	Cu	2	53.1	600	150	B,C	2(115),4,5
	Load 12 - 2*	Cu	2	53.1	600	115	B,C	2(115),4,5
WPD 101, WPD 201, WPD 301	4 str line 6 str line	Al	2	35	600	65 50	B,C	2(115),4
	6 str load	Al	2	35	600	50	B,C	2(115),4
WPD 102	2 str line 4 str line 6 str line	Al	2	70.8 53 35	600	90 65 50	B,C	2(115),4
	4 str load 6 str load	Al	2	53 35	600	65 50	B,C	2(115),4
WPD 103	2/0 str line 1/0 str line 2 str line 4 str line	Al	2	159 88.5 70.8 53	600	135 120 90 65	B,C	2(115),4
	1/0 str load 2 str load 4 str load 6 str load	Al	2	88.5 70.8 53 35	600	120 90 65 50	B,C	2(115),4
WPD 131, WPD 231	6 AWG str - 3/0 AWG str#	Cu	2	200	600	200	B,C	2(120), 4
	6 AWG str - 3/0 AWG str#	Al	2	200	600	155	B,C	2(120), 4
WPD 130, WPD 230, WPD 330	10 AWG str - 1/0 AWG str	Cu	2	123.9	600	150	B,C	2(115), 4
	1 AWG str - 1/0 AWG str	Al	2	123.9	600	120	B,C	2(115), 4
WPD 132, WPD 232	3/0 AWG str - 350 kcmil str#	Cu	2	250	600	310	B,C	2(120), 4

	3/0 AWG str - 350 kcmil str#	A1	2	398	600	250	B, C	2(120), 4
WPD 133, WPD 233	300 kcmil - 600 kcmil str#	Cu	2	300	600	420	B,C	2(120), 4
		A1	2	575.3	600	340	B, C	2(120), 4
Note: (*) - Prepared conductors (lugs)								
Note: (**) - Prepared conductors (fork M6)								
LUF 10.00 (1)	18-6 Sol/Str	Cu	2	--	300	61	B	2(120),4
					150	61	C	
					600	5	D	
					1000@	61	E	
LUF 15.00 (1)	18-6 Sol/Str	Cu	2	—	600	61	B,C	2(120),4
					600	5	D	
					1000	61	C,E@	
					1000	61	F	
LUF 10.00 (2)	18-6 Sol/Str	Cu	2	--	600	58	B, C	2(120),4
					600	5	D	
LUF 15.00 (2)	18-6 Sol/Str	Cu	2	—	150	58	A	2(120),4
					600	58	B,C	
					600	5	D	
					1000	58	E	
LLF 7.50 (1)	24-8 Sol/Str	Cu	2	--	300	35	B	2(120),4
					150	35	C	
					300	10	D	
					1000@	35	E	
					600	35	F	2(120),4,7
LLF 7.50 (2)	24-8 Sol/Str	Cu	2	--	600	35	B, C	2(120),4
					600	5	D	
LUFS 10.00 .... /180 (3)	18-4 Sol/Str	Cu	2	—	600	57	A,B,C	2(120),4
						5	D	
					1000@	57	E	
LUFS 10.00.... /90 (3)	18-4 Sol/Str	Cu	2	—	600	53	A,B,C	2(120),4
						5	D	
					1000@	53	F	
LUFS 10.00 .... /180 (4)	18-4 Sol/Str	Cu	2	—	600	57	B,C	2(120),4
						5	D	
					1000	57	F	
LUFS 10.00.... /90 (4)	18-4 Sol/Str	Cu	2	—	600	53	B,C	2(120),4
						5	D	
					1000	53	F	
LUFS 15.00 LUFS 15.00... /180 (4)	18-4	Cu	2	—	150	57	A	2(120),4

	Sol/Str				600	57	B,C	
						5	D	
					1000	57	E	
LUFS 15.00... /90 (4)	18-4 Sol/Str	Cu	2	—	150	53	A	2(120),4
					600	53	B,C	
						5	D	
					1000	53	E	
LLFS 7.50 (1)	24 -10 sol/str 8 str	Cu	2	—	300	37	B	2(120),4
					150	37	C	
					300	10	D	
					1000@	37	C,E	
LLFS 7.50...V (2)	24 -10 sol/str 8 str	Cu	2	—	600	37	B,C	2(120),4
						5	D	

Note: (1) - Cat. No. LUF 10.00, LUF 15.00, LLFS 7.50 or LLF 7.50 followed by /01 thru /100, followed by /90, /110, /135, /180, /225 or /270, followed by 3.2 thru 20, followed by SN, AG or AU, followed by any 2 through 5 letters, followed by BX, RL, TR, TU or blank

Note: (2) - Cat. No. LUF 10.00, LUF 15.00, LLFS 7.50 or LLF 7.50 followed by /01 thru /100, followed by /90, /110, /135, /180, /225 or /270, followed by V, followed by 3.2 thru 20, followed by SN, AG or AU, followed by any 2 through 5 letters, followed by BX, RL, TR, TU or blank;

Note: (3) - Cat. No. LUFS 10.00 followed by /01, followed by /90 or /180, followed by 3.2 thru 20, followed by SN, AG or AU, followed by any 2 through 5 letters, followed by BX, RL, TR, TU or blank.

Note: (4) - Cat. No. LUFS 10.00 or LUFS 15.00 followed by /02 to /100, followed by /90 or /180, followed by V, followed by 3.2 thru 20 , followed by SN, AG or AU, followed by any 2 through 5 letters, followed by BX, RL, TR, TU or blank.

Note: (@) - 1000V rating is adequate for the one pole version only;

A2C 6, A3C 6, ALO 6 (1)	22-8 Sol/Str	Cu	2	N/A	600	38	B, C	2(120), 4
						5	D	
A2C 6 PE, A3C 6 PE	22-8 Sol/Str	Cu	2	N/A	600	N/A	B, C,D	2(120), 4
AAP11 6 LO RD, AAP11 6 LO BL	22-8 Sol/Str	Cu	2		300	36	B,C	2(120),4
AAP13 6 LO-LO	22-8 Sol/Str	Cu	2	N/A	150	36	B,C	2(120),4
AAP13 6 FE-LO	22-8 Sol/Str	Cu	2	N/A	150	36	B,C	2(120),4
AAP11 6 FE	22-8 Sol/Str	Cu	2	N/A	300	--	B,C	2(120),4

Note: (1) all maybe followed by 2 through 4 letters denoting color.

ADT 2.5 2C, ADT 2.5 2C WO DTLV, ADT 2.5 3C, *ADT 2.5 3C WO DTLV, ADT 2.5 4C, ADT 2.5 4C WO DTLV, A3T 2.5, A3T 2.5 FT-FT-PE, A3T 2.5* *N-FT-PE, A3T 2.5 VL, A2T 2.5 3C, A2T 2.5 3C VL*	28-12 Sol/Str	Cu	2	N/A	300	20	B, C	2(120), 4

ADT 2.5 2C, ADT 2.5 2C WO DTLV, ADT 2.5 3C, ADT 2.5 3C WO DTLV, ADT 2.5 4C, ADT 2.5 4C WO DTLV, A3T 2.5, A3T 2.5 FT-FT-PE, A3T 2.5 N-FT-PE, A3T 2.5 VL, A2T 2.5 3C, A2T 2.5 3C VL	28-12 Sol/Str	Cu	2	N/A	600	5	D	2(120), 4
APG 2.5 L, APG 2.5 R, APG 2.5 MI (#) APG 2.5/1 thru APG 2.5/24, APG 2.5/3-BG-BL-GN, APG 2.5/4-3BG-GN, APG 2.5/5-3BG-BL-GN, APGTB 2.5 2T 4C/2, APGTB 2.5 2T VL 4C/2, APGTB 2.5 FT 2C/1, APGTB 2.5 FT 3C/1, APGTB 2.5 FT 4C/2, APGTB 2.5 2T FT-PE 4C/2, A2T 2.5 FT-PE (@), AMC 2.5 800V, A2C 2.5, A2C 2.5 /DT/FS, A3C 2.5, A4C 2.5, A2T 2.5, A2T 2.5 VL	28-12 Sol/Str	Cu	2	N/A	600	20	B, C	2(120), 4
						5	D	
APG 2.5 L GN, APG 2.5 MI GN, APG 2.5 R GN, A2C 2.5 PE, A2C 2.5 PE /DT/FS, A3C 2.5 PE, A4C 2.5 PE, A2T 2.5 PE, A2T 2.5 FT-PE, A2T 2.5 3C FT-PE (@), APGTB 2.5 PE 2C/1, APGTB 2.5 PE 3C/1, APGTB 2.5 PE 4C/2, APGTB 2.5 2T PE 4C/2, A2T 2.5 3C PE	28-12 Sol/Str	Cu	2	N/A	600	N/A	B, C, D	2(120), 4
AMC 2.5	28-12 Sol/Str	Cu	2	N/A	300	20,10	B,D	2(120), 4
					150	20	C	
A3T 2.5 PE	28-12 Sol/Str	Cu	2	N/A	300	N/A	B,C	2(120), 4
					600	N/A	D	
AAP12 2.5 LI RD, AAP12 2.5 LI BL	28-12 Sol/Str	Cu	2	N/A	600	20	B,C	2(120), 4
						5	D	
AAP14 2.5 LI-LI	28-12 Sol/Str	Cu	2	N/A	150	20	B,C	2(120), 4
					300	10	D	
AAP12 2.5 LI RD, AAP12 2.5 LI BL	28-12 Sol/Str	Cu	2	N/A	600	20	B,C	2(120), 4
						5	D	
A2C 1.5, A3C 1.5, A4C 1.5, AAP11 1.5 LI RD, AAP11 1.5 LI BL, A2T 1.5, A2T 1.5 FT-PE, A2T 1.5 VL, APGTB 1.5 FT 2C/1, APGTB 1.5 FT 3C/1, APGTB 1.5 FT 4C/2, APGTB 1.5 2T 4C/2, APGTB 1.5 2T VL 4C/2, APG 1.5/1 to APG 1.5/10, APG 1.5 R GN, APG 1.5/3-BG-BL-GN, APG 1.5/4-3BG-GN, APG 1.5/5-3BG-BL-GN (#)	26-14 Sol/Str	Cu	2	N/A	300	13	B,C	2(120),4
					600	5	D	
AAP13 1.5 LI-LI (#)	26-14 Sol/Str	Cu	2	N/A	150	13	B,C	2(120),4
					300	5	D	
AIO21 1.5 SO, AIO21 1.5 SI, AIO23 1.5 2SI (#), AIO21 1.5 SO-PE, AIO22 1.5 SI-PE	26-14 Sol/Str	Cu	2	N/A	150	13	D	2(120),4

A2C 1.5 PE, A3C 1.5 PE, A4C 1.5 PE, A2T 1.5 PE, APGTB 1.5 2T FT-PE 4C/2, APGTB 1.5 PE 2C/1, APGTB 1.5 PE 3C/1, APGTB 1.5 PE 4C/2, APGTB 1.5 2T PE 4C/2	26-14 Sol/Str	Cu	2	N/A	300 600	- -	B,C D	2(120),4
AAP12 10 LO RD(#), AAP21 10 LO RD(#), AAP12 10 LO BL (#), AAP21 10 LO BL (#)	20-6 Sol/Str	Cu	2	N/A	600	51 5	B,C D	2(120),4
AAP14 10 LO-LO(#), AAP22 10 LO-LO (#), AAP14 10 FE-LO (#), AAP22 10 FE-LO (#)	20-6 Sol/Str	Cu	2	N/A	150 300	51 5	B,C D	2(120),4
AAP12 10 FE, AAP21 10 FE, AAP22 10 FE-LO, A2C 10 PE, A3C 10 PE	20-6 Sol/Str For 20-10 AWG Str for 8-6 AWG	Cu	2	N/A	600	-	B,C,D	2(120),4
A2C 10, A3C 10	20-10 AWG Sol/Str 8-6 AWG str	Cu	2	N/A	600	55	B,C,D	2(120),4
Note: (#) - All followed by 2 thru 5 letters denoting color of insulating material except green or green and yellow, or blank. **Note:** (@) - Only Upper Current bar of model A2T 2.5 FT-PE, has assigned current rating 20A. Lower Current bar is dedicated for Grounding purpose.								
A2C 4, A3C 4, A4C 4, A2T 4, A2T 4VL, A2T 4 FT-PE°	26-10 Sol/Str	Cu	2	N/A	600	30 5	B, C D	2(120), 4
Note (°) - current rating just for the upper Tier.								
A2C 4 PE, A3C 4 PE, A4C 4 PE, A2T 4 PE	26-10 Sol/Str	Cu	2	N/A	600	N/A	B, C, D	2(120), 4
AAP21 4 LI RD, AAP21 4 LI BL	26-10 Sol/Str	Cu	2	N/A	300 600	20 5	B, C D	2(120), 4
ADT 4 2C	26-10 Sol/Str	Cu	2	N/A	600	20	B, C, D	2(120), 4
AFS 4 2C, AAP21 4 FS, AFS 4 2C 10-36V, AFS 4 2C 30-70V, AFS 4 2C 100-250V, AFS 4 2C 60-150V	26-10 Sol/Str	Cu	2	N/A	300 150	10 10	B, D C	2(120), 4
AAP21 4 DT	26-10 Sol/Str	Cu	2	N/A	300 150	20 20	B, D C	2(120), 4
AAP22 4 LI-FS, followed by voltage range for fuse or blank	26-10 Sol/Str	Cu	2	N/A	300	10	B, D	2(120), 4
TB3HS SC (+)	22-14 sol/str	Cu	2	3.5	300	10	B, D	2(115), 4
TB3HS PI (+)	22-14 sol/str	Cu	2	N/A	300	10	B, D	2(115), 4
TBH SC CCA (##)	22-14 sol/str	Cu	2	3.5	300	10	B, D	2(115), 4
TCS 5.00/XX/90 [a]	14-22	Cu	2	3	300	15	C	2(115), 4
TCS 5.00/XX/90 [a]	14-22	Cu	2	3	150	15	D	2(115), 4

TCS 5.08/XX/90 [a]	14-22	Cu	2	3	300	15	C	2(115), 4
TCS 5.08/XX/90 [a]	14-22	Cu	2	3	150	15	D	2(115), 4
TPS 5.00/XX/90 [a]	14-22	Cu	2	5	300	15	B, D	2(115), 4
TPS 5.08/XX/90 [a]	14-22	Cu	2	5	300	15	B, D	2(115), 4
TCS 3.50/XX/90 [a]	16-26	Cu	2	2.1	150	10	B	2(65), 4
TCS 3.81/XX/90 [a]	16-26	Cu	2	2.1	150	10	B	2(65), 4
TSS 5.00/XX/90 [b]	12-30 Sol/Str	Cu	2	4	300	15	B	2(115), 4
					Note A	Note A	D	
TMS 5.00/XX/90 [b]	12-30 Sol/Str	Cu	2	4	300	15	B	2(115), 4
					Note A	Note A	D	
TSS 5.08/XX/90 [b]	12-30 Sol/Str	Cu	2	4	300	15	B	2(115), 4
					Note A	Note A	D	
TMS 5.08/XX/90 [b]	12-30 Sol/Str	Cu	2	4	300	15	B	2(115), 4
					Note A	Note A	D	
TSS 5.00/XX/135 [b]	12-30 Sol/Str	Cu	2	7	300	20	B	2(115), 4
TSS 5.08/XX/135 [b]	12-30 Sol/Str	Cu	2	7	300	20	B	2(115), 4
CH 3.50/XX/90G [c]	—	Cu	1	—	300	8	B	2(115), #35
CH 3.50/XX/90F [c]	—	Cu	1	—	300	8	B	2(115), #35
CH 3.50/XX/180G [c]	—	Cu	1	—	300	8	B	2(115), #35
CH 3.50/XX/180F [c]	—	Cu	1	—	300	8	B	2(115), #35
CH 3.81/XX/90G [c]	—	Cu	1	—	300	8	B	2(115), #35
CH 3.81/XX/90F [c]	—	Cu	1	—	300	8	B	2(115), #35
CH 3.81/XX/180G [c]	—	Cu	1	—	300	8	B	2(115), #35
CH 3.81/XX/180F [c]	—	Cu	1	—	300	8	B	2(115), #35
CH 5.00/XX/90 [d]	—	Cu	1	—	300	18	B	2(115), #36
					Note A	Note A	D	
CH 5.00/XX/90G [d]	—	Cu	1	—	300	18	B	2(115), #36
					Note A	Note A	D	
CH 5.00/XX/90F [d]	—	Cu	1	—	300	18	B	2(115), #36
					Note A	Note A	D	
CH 5.00/XX/180 [d]	—	Cu	1	—	300	18	B	2(115), #36

					Note A	Note A	D	
CH 5.00/XX/180G [d]	—	Cu	1	—	300	18	B	2(115), #36
					Note A	Note A	D	
CH 5.00/XX/180F [d]	—	Cu	1	—	300	18	B	2(115), #36
					Note A	Note A	D	
CHDV 5.00/XX/90 [d]	—	Cu	1	—	300	18	B	2(115), #36
					Note A	Note A	D	
CHDV 5.00/XX/90G d]	—	Cu	1	—	300	18	B	2(115), #36
					Note A	Note A	D	
CH 5.08/XX/90 [d]	—	Cu	1	—	300	18	B	2(115), #36
					Note A	Note A	D	
CH 5.08/XX/90G [d]	—	Cu	1	—	300	18	B	2(115), #36
					Note A	Note A	D	
CH 5.08/XX/90F [d]	—	Cu	1	—	300	18	B	2(115), #36
					Note A	Note A	D	
CH 5.08/XX/180 [d]	—	Cu	1	—	300	18	B	2(115), #36
					Note A	Note A	D	
CH 5.08/XX/180G [d]	—	Cu	1	—	300	18	B	2(115), #36
					Note A	Note A	D	
CH 5.08/XX/180F [d]	—	Cu	1	—	300	18	B	2(115), #36
					Note A	Note A	D	
CHDV 5.08/XX/90 [d]	—	Cu	1	—	300	18	B	2(115), #36
					Note A	Note A	D	
CHDV 5.08/XX/90G [d]	—	Cu	1	—	300	18	B	2(115), #36
					Note A	Note A	D	
CPS 3.50/XX/90 [d]	16-30 Sol/Str	Cu	2	2	300	8	B	2(115), 4, #35
CPS 3.50/XX/90F [d]	16-30 Sol/Str	Cu	2	2	300	8	B	2(115), 4, #35
CPS 3.50/XX/180 [d]	16-30 Sol/Str	Cu	2	2	300	8	B	2(115), 4, #35

CPS 3.50/XX/180F [d]	16-30 Sol/Str	Cu	2	2	300	8	B	2(115), 4, #35
CPS 3.50/XX/270 [d]	16-30 Sol/Str	Cu	2	2	300	8	B	2(115), 4, #35
CPS 3.50/XX/270F [d]	16-30 Sol/Str	Cu	2	2	300	8	B	2(115), 4, #35
CPS 3.81/XX/90 [d]	16-30 Sol/Str	Cu	2	2	300	8	B	2(115), 4, #35
CPS 3.81/XX/90F [d]	16-30 Sol/Str	Cu	2	2	300	8	B	2(115), 4, #35
CPS 3.81/XX/180 [d]	16-30 Sol/Str	Cu	2	2	300	8	B	2(115), 4, #35
CPS 3.81/XX/180F [d]	16-30 Sol/Str	Cu	2	2	300	8	B	2(115), 4, #35
CPS 3.81/XX/270 [d]	16-30 Sol/Str	Cu	2	2	300	8	B	2(115), 4, #35
CPS 3.81/XX/270F [d]	16-30 Sol/Str	Cu	2	2	300	8	B	2(115), 4, #35
CPS 5.00/XX/90 [d]	12-30 Sol/Str	Cu	2	5	300	18	B	2(115), 4, #36
					Note A	Note A	D	
CPS 5.00/XX/90F [d]	12-30 Sol/Str	Cu	2	5	300	18	B	2(115), 4, #36
					Note A	Note A	D	
CPS 5.00/XX/180 [d]	12-30 Sol/Str	Cu	2	5	300	18	B	2(115), 4, #36
					Note A	Note A	D	
CPS 5.00/XX/180F [d]	12-30 Sol/Str	Cu	2	5	300	18	B	2(115), 4, #36
					Note A	Note A	D	
CPS 5.00/XX/270 [d]	12-30 Sol/Str	Cu	2	5	300	18	B	2(115), 4, #36
					Note A	Note A	D	
CPS 5.00/XX/270F [d]	12-30 Sol/Str	Cu	2	5	300	18	B	2(115), 4, #36
					Note A	Note A	D	
CPS 5.08/XX/90 [d]	12-30 Sol/Str	Cu	2	5	300	18	B	2(115), 4, #36
					Note A	Note A	D	

CPS 5.08/XX/90F [d]	12-30 Sol/Str	Cu	2	5	300	18	B	2(115), 4, #36
					Note A	Note A	D	
CPS 5.08/XX/180 [d]	12-30 Sol/Str	Cu	2	5	300	18	B	2(115), 4, #36
					Note A	Note A	D	
CPS 5.08/XX/180F [d]	12-30 Sol/Str	Cu	2	5	300	18	B	2(115), 4, #36
					Note A	Note A	D	
CPS 5.08/XX/270 [d]	12-30 Sol/Str	Cu	2	5	300	18	B	2(115), 4, #36
					Note A	Note A	D	
CPS 5.08/XX/270F [d]	12-30 Sol/Str	Cu	2	5	300	18	B	2(115), 4, #36
					Note A	Note A	D	
A2C 16, A3C 16, ALO 16	18-6	Cu	2	N/A	600	62	B,C	2(120),4
					See Note A		D	
A2C 16 PE, A3C 16 PE	18-6	Cu	2	N/A	600	N/A	B,C,D	2(120),4

Note: (+) - followed by 48/4, followed by CJC or blank, followed by BED1 thru BED6.

Note: (##) - followed by BED1 thru BED6.

Note: A - 15 amperes at 51 - 150 volts, 10 amperes at 151 - 300 volts.

		Suitable Conductors kcmil/AWG	Overcurrent Protection Fuse Required Class/Max Amp Rating						SCCR, RMS	Volts
Cat. No.	**Line**	**Load**	**J**	**T**	**RK1**	**RK5**	**G**	**CC**	**Sym A**	**Max**
WPD 104	4 - 14	8 - 14 Top 4 - 14 Bottom 6 - 14 LS Load	60	60	60	30	—	30	200,000	600
			—	—	—	—	60	—	100,000	600
WPD 105	2 - 12	6 - 16 Top 4 - 14 Bottom 6 - 16 LS Load	60	60	60	30	—	30	200,000	600
			—	—	—	—	60	—	100,000	600
WPD 106	1/ - 10	6 - 14 Top 4 - 14 Bottom	60	60	60	30	—	30	200,000	600
			—	—	—	—	60	—	100,000	600
WPD 107	3/0 - 6	4 - 14 2 - 12 LS Load	60	60	60	30	—	30	200,000	600
			—	—	—	—	60	—	100,000	600
WPD 108	3/0 - 4 250 - 2	4 - 14 Top 6 - 16 Middle 2 - 12 Bottom	60	60	60	30	—	30	200,000	600
			—	—	—	—	60	—	100,000	600
WPD 109	300 - 2/0 350 - 3/0	4 - 14 Top 6 - 14 Middle 2 - 12 Bottom	60	60	60	30	—	30	200,000	600
			—	—	—	—	60	—	100,000	600

Cat. No.	Wire Range	Wire Type	FW	TQ Lb In.	V	A	UG	CA
SRL3	22-8, STR	Cu	2	4.5	600	50	B, C	2(105), 4, 5
SRL4	22-8 sol/str	Cu	2	14	600	50	B, C	2(105), 4
SDL4	22-8 sol/str	Cu	1	14	600	35	B, C	2(105), 4
SRL6	22-2, STR	Cu	2	25	600	115	B, C	2(105), 4, 5
SDL4FT	22-8, STR	Cu	2	14	600	50	B, C	2(105), 4, 5

[a] - Where XX represents number of Position.

[b] - Where XX is two digit number 02 or 03 representing number of poles.

[c] - Where XX is two digit number 01 through 20 representing number of poles.

[d] - Where XX is two digit number 01 through 24 representing number of poles.

5& Type *ZTR 2.5D* is provided with a diode plug. The suitability shall be determined in the end use. These devices have not been evaluated with regards to their Current carry capabilities.

Type *ZTR* 2.5/D/DRBR is provided with a diode plug without a diode but with a wire link inside. The suitability shall be determined in the end use. These devices have not been evaluated with regards to their Current carrying capabilities.

#6& Types *ZP*, *ZPE*, *ZRV1.5/PE*, *ZDK2.5/1.5 N-PE*, *ZDX2.5/1.5 DU-PE* and *ZDK 2.5/1.5/PE* have not been evaluated for their grounding suitability per the short time test of UL 467, the Standard for Grounding and Bonding Equipment, and have not been evaluated for spacings.

#7 Types *ZSI 2.5...*, *ZSI 6-2...* are provided with a fuse holder section. These devices have not been evaluated with regards to their Current interrupting capabilities. Types *ZSI 2.5/LED*, *ZSI 2.5/2/LED* and *ZSI 6-2/FC LD* are provided with a diode and LED plug. Their suitability shall be determined in the end use. These devices have not been evaluated with regards to their Current carrying capabilities.

Types *WDTR 2.5* and *WDTR* 2.5/WE are provided with a disconnect means. These devices have not been evaluted for Current interrupting.

#8 For Type *WP04*, the connection point for solid state devices has not been evaluated.

#9 These devices have not been evaluated for their grounding suitability.

#10 The suitability of fuses used with this device shall be judged in the end-use.

#11 For Type *LP 15*, every other pole must not have Current-carrying parts to maintain proper spacings.

#12 Types *SAK2.5*, *SAK2.5/35*, *KB2.5/10*, *KB2.5/35-10* or *OSC4* have been evaluated for a max ampere rating of 25A and are suitable for use with 85 C wire only.

#13 Devices provided with optional electronic cirCuits have not been evaluated with respect to the suitability of the optional electronic cirCuitry.

#14 Type *ZZA 2.5* is to be used in ZPE, ZDU and ZTR Series terminal blocks to provide an extra pole.

#15 Types *ZDK2.5/1.5/D/2*, *ZDK2.5/1.5/D/4*, *ZDK2.5/1.5/D/5*, *ZDK2.5/1.5/D/6* and *ZDK2.5/1.5/D/7* are provided with Diodes, the suitability shall be determined in the end use.

#16 Types *ZDK2.5/1.5/LD/1* and *ZDK2.5/1.5/LD/2* are provided with resistors and LED's. The suitability shall be determined in the end use.

#17 Types *ZKBD 2.5/1.5* and *ZKSD 2.5/1.5* voltage ratings may be increased when provided with Types ZSLD 2.5/1.5 and ZBLD 2.5/1.5.

#18 Has been evaluated for its suitability as a protective conductor terminal block and complies with the applicable grounding requirements for terminals for use in a protected cirCuit .

#19 A temperature test was run on Model *SAKS5* at 63A with a maximum rise of 71.23 C.

#20 300 V spacings are for internal Current-carrying parts, 600 V spacings to apply to adjacent terminals.

#21 Devices are provided with a disconnect blade and have not been evaluated to operate underload. Only suitable as a non-Current breaking isolation switch. A marking is to be placed in the end-use equipment indicating its maximum ratings and that Current is to be removed before opening the switch.

#22 Tightening Torque for Disconnect.

#23 Provided with fuseholder. Devices have not been evaluated with regards to their Current interrupting capabilities.

#24 Types *BL I/O 3.50* with *PNP LED* and *NPN LED* are provided with LED indicators. The suitability shall be determined in the end use.

#25 For Type *SL3.5/* with suffixes the pin and receptacle terminals are for factory wiring only. The mounting suitability of the pins and receptacle to both the terminal block and to the printed cirCuit board shall be determined in the end-use.

#26 Types *ZMAK2.5* and *ZDK 2.5-2 DU/PE* is provided with grounding bar as part of the terminal block. This grounding bar has been evaluated for its suitability as a protective conductor terminal block.

#27 Consists of two-parted construction with upper terminal as line and lower terminal colored green/yellow as Protective Conductor Terminal Block.

#28 Types *ZSI 6-2/2x2.5...* are provided with 2 wire terminations (2x AWG 26-12) on load side and one wire termination (1x AWG 20-8) on line side. Types ZSI 2.5/2x2AN... are provided with 2 wire terminations (2x AWG 26-12) on line and load side.

#29 Used with non-conductive mounting walls only.

+ May be followed by .0, .1, .3, .4, .6 or .8.

In CA column indicates a unique condition of acceptability and are indicated in individual Component Recognition Reports.

#30 Multiple str/Sol copper wire ratings for "output" wire entry hole of 2 No. 4-6 AWG (80 lb-in); 2 No. 8-14 AWG (35 lb-in) -same size wires only, no intermixing of stranded and solid wires.

#31 Multiple str/Sol copper wire ratings for "output" wire entry hole of 2 No. 6-8 AWG (80 lb-in); 2-4 No.10-14 AWG (35 lb-in) -same size wires only, no intermixing of stranded and solid wires.

#32 Types *ZSI 2x6/4x2.5* and *ZSI 2x6/4x2.5 FC* are provided with a fuseholder section. These devices have not been evaluated with regards to their Current interrupting capabilities. This terminal block is intended for use with miscellaneous fuses. These fuses are not intended for branch-cirCuit overCurrent protection. Markings concerning fuse replacement and location should be considered. The suitability of the fuses needs to be evaluated in the end use.

#33 (1) Voltage and ampere rating not applicable to the identified grounding (PCTB) pole.

#34 The terminal blocks as tabulated below consist of two halves with plug consisting of the push-in type (wire secured by spring type action) terminals and header consisting of the soldering terminals. These devices have not been evaluated to make or break the flow of current. These devices are not evaluated for use with any other mating connectors.

Plug-in Block Series	Mating Header Series
BSCZ	SSC

#35 Models CH 3.50 (or 3.81) mated with CPS 3.50 (or 3.81) are intended mating together to become a terminal block assembly. These devices have not been evaluated for use with any other mating combinations and have not been evaluated for interrupting the flow of current by connecting or disconnecting the mating terminal block assembly.

#36 Models CH 5.00 (or 5.08) mated with CPS 5.00 (or 5.08) are intended mating together to become a terminal block assembly. These devices have not been evaluated for use with any other mating combinations and have not been evaluated for interrupting the flow of current by connecting or disconnecting the mating terminal block assembly.

Nomenclature Breakdown(NB) All Types followed by - special design of device or blank, followed by pitch or blank, followed by special performance type or blank, followed by number of poles, followed by angle, followed by mounting means or blank, followed by special feature or blank, followed by solder pin length or blank, followed by plating of current carrying parts, followed by 2 through 5 letters denoting color of insulating material, followed by kind of package or blank, followed by special identification or blank, followed by additional special identification or blank.

See Model Nomenclature for details.

MODEL NOMENCLATURE (Example)

SL	SMT	5.08	HC	/05	/180	2STI	LR	M	3.2	SN	BK	BX	SO	KOL
1	2	3	4	5	6	6A	7	8	9	10	11	12	13	14

1 Series Designation from List above

2 Special Design of devices:

DN - Device net Type

SmarT- reflow soldering, variable Center-to-center pin cover the following type with spacing

SMT - reflow soldering

SMD - reflow soldering, surface mounted device

THR - reflow soldering, through hole reflow

LS - long solder pins

E - press-in technology

Blank - no special design

3 Pitch in mm

3.5 or 3.50

3.81

5 or 5.00

5.08

7.50

7.62

10 or 10.00

10.16

15 or 15.00

4 Special performance type

HP - high performance

IT - customer specific designation, same as HP type

HC - high current

Blank - no special performance type

5 Number of poles

/01 through /100

6 Angle between wire terminals and plug-in direction (Terminal blocks) or plug-in direction and solderpins (Pin headers)

/90 - 90°

/110 - 110°

/135 - 135°

/180 - 180°

/225 - 225°

/270 - 270°

6A Special number of soldering pins

2STI - 2 soldering pins

4STI - 4 soldering pins

Blank - standard number of soldering pins

7 Mounting means

B - with dovetails

DF - feed through

G - closed

GLF - closed with solder flange

GL - closed, low version

GH - closed, high version

F - flange

FL - flange low

FH - flange high

FP - staggered screw flange

FC - flange coupler

FI - flange inverted

SFC - solder flange coupler

SFI - screw flange inverted

LFI - solder flange inverted

RF - snap on flange

RLF - snap on solder flange

RSH160 - shield in 150° direction with knurled screw

RSH180 - shield in 180° direction with knurled screw

RSH200 - shield in 210° direction with knurled screw

SF - screw flange

SH160C - shield in 160° direction, coupler

SH180C - shield in 180° direction, coupler

SH200C - shield in 200° direction, coupler

SH160 - shield in 150° direction, flange

SH180 - shield in 180° direction, flange

SH200 - shield in 210° direction, flange

SH150I - shield in 150° direction, inverted flange

SH180I - shield in 180° direction, inverted flange

SH210I - shield in 210° direction, inverted flange

LH - release lever

LF - solder flange

LR - lock and release lever

FLF - flange and solder flange

MLFX - middle solder flange (X = position of middle flange)

MLSFX - middle solder screw flange (X = position of middle flange)

LFM - middle solder flange (housing)

MFX - middle flange (X = position of middle flange)

MSFX - screw middle flange, (X = position of middle flange)

FMFX - outer and middle flange, (X = position of middle flange)

FMSFX - outer and screw middle flange(X = position of middle flange)

SFMFX - screw outer and middle flange (X = position of middle flange)

SFMSFX - screw outer and screw middle flange, followed (X = position of middle flange)

FBMFX - further back outer flange and middle flange, (X = position of middle flange)

FBMSFX - further back outer flange and screw middle flange(X = position of middle flange)

SFBMFX - further back screw outer flange and middle flange (X = position of middle flange)

SFBMSFX - further back screw outer flange and screw middle flange, followed (X = position of middle flange)

Blank - without mounting means

8 Special Feature

M - with module for marking by customer

DRH - with double locking hood.

ZE - with strain relief

LI - left version

RE - right version

V - shifted solder pins

X - with removable not conductive coding to the PCB

Blank - without special feature

9 Solder pin length in mm

01 through 20 mm

Blank - no solder pins

10 Plating of current carrying parts

SN - tin plated

AG - silver plating

AU - gold plating

11 Color of insulating material

12 Kind of package

BX - Box

RL - Reel

TR - Tray

TU - Tube

Blank - no specified package

13 Special identification

SO - special customer design

PRT - with tampo printing

INK - with ink jet printing

LRP - with laser printing

CO - removable coding

TB - not every pole is assembled with metal parts

Blank - no special identification

14 Additional special identification

KOLKL - with non-removable, non-conductive coding to the PCB on the left side

KOLKR - with non-removable, non-conductive coding to the PCB on the right side.

KOL - non-removable coding on left side

KOR - non-removable coding on right side

Blank - no additional special identification

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Marking: Company name or trademarks "WEIDMULLER", "KLIPPON", "CAW", "ONEXEL", or on device and type, series or catalog designation (type, series or catalog designation may appear on shipping carton).

Last Updated on 2018-12-05

Certificate of Compliance

Certificate Number **20110125-E247535**
Report Reference **E247535, 2005 April 27**
Issue Date **2011 January 25**

Underwriters Laboratories

Issued to: PIXSYS SRL

VIA DELLA CROCE ROSSA 42
35129 PADOVA ITALY

This is to certify that representative samples of

TEMPERATURE-INDICATING AND -REGULATING EQUIPMENT

ATR followed by 121 or 141, followed by -, followed by A, B, C, or AD, may be followed by T.
ATR followed by 142, followed by -, followed by ABC, may be followed by T.

Have been investigated by Underwriters Laboratories Inc.® (UL) or any authorized licensee of UL in accordance with the Standard(s) indicated on this Certificate..

Standard(s) for Safety: UL 873
C22.2 No. 24-93

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Look for the UL Recognized Component Mark on the product

William R. Carney
Director, North American Certification Programs
Underwriters Laboratories Inc.

CYJV.E307231 - CABLE ASSEMBLIES AND FITTINGS FOR INDUSTRIAL CONTROL AND SIGNAL DISTRIBUTION

Cable Assemblies and Fittings for Industrial Control and Signal Distribution

See General Information for Cable Assemblies and Fittings for Industrial Control and Signal Distribution

WEIDMUELLER INTERFACE GMBH & CO KG
KLINGENBERGSTR 16
32758 DETMOLD, GERMANY

E307231

								Short-circuit-current Rating											
								Overcurrent Protection											
								Fuse Size — Class/Max Amp Rating							Circuit Breaker Size				
Model/Cat. No.	**No. of Poles**	**Conductor Size, AWG**	**Current, A**	**Voltage, V**	**Disconnect Use**	**Env Rating**	**IP Rating**	**J**	**T**	**L**	**RK1**	**RK5**	**G**	**CC**	**Mfr**	**Type**	**Max Amp**	**SCCR, RMS Sym, kA**	**Volts Max, V**
Cable assemblies																			
SAI, followed by L, P or V, followed by M12, followed by B or blank, followed by G or W,	3	22 (0.34^2)	4	300	No	-	-	-	-	-	-	-	-	-	-	-	-	-	-
followed by M12, followed by B or blank, followed by G or W, followed by M12, followed by	4	22 (0.34^2)	4	300	No	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B or blank, followed by G or W, followed by R or blank, followed by 3, 4, 5, 3B, 4B, 5B, 2/4, PB or CD,	5	22 (0.34^2)	4	300	No	-	-	-	-	-	-	-	-	-	-	-	-	-	-
followed by S, L, 2L, 3L, 3LR, 3LW or	3, 4	22 (0.34^2)	4	30	No	-	-	-	-	-	-	-	-	-	-	-	-	-	-

blank, followed by a 2 digit, followed by V, B, E, U, A, D, Y or T																			
SAI, followed by L, P or V, followed by M8, followed by B or blank, followed by G or W, followed by M8, followed by S or blank, followed by G or W, followed by M8, followed by B or blank, followed by G or W, followed by R or blank, followed by 3, 4, 3B, 4B, PB or CD, followed by S, L, 2L, 3L, 3LR, 3LW or blank, followed by a 2 digit, followed by V, B, E, U, A, D, Y or T	3,4	24 (0.25^2)	3	30	No	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cable assemblies, inlets and appliance outlets																			
SAIE-M8R-3-(&)U-FP-M8																			
SAIE-M8R-4-(&)U-FP-M8																			
Cable fittings																			
SAI, followed by L, P or V, followed by M12,	3	22 (0.34^2)	4	300	No	-	-	-	-	-	-	-	-	-	-	-	-	-	-

followed by B or blank, followed by G or W, followed by R or blank, followed by 3, 4, 3B, 4B, 2/4, PB or CD, followed by S or blank, followed by a 2 digit, followed by V, B, E, U, A, D, Y or T																			
	4	22 (0.34^2)	4	300	No	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	22 (0.34^2)	4	300	No	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3, 4	22 (0.34^2)	4	30	No	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAI, followed by L, P or V, followed by M12, followed by B or blank, followed by G or W, followed by R or blank, followed by 3, 4, 5, 3B, 4B, 5B, 2/4, PB or CD, followed by S,L, 2L, 3L, 3LR, 3LW or blank, followed by a 2 digit, followed by V, B, E, U, A, D, Y or T	3	22 (0.34^2)	4	300	No	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	22 (0.34^2)	4	300	No	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	22 (0.34^2)	4	300	No	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3, 4	22 (0.34^2)	4	30	No	-	-	-	-	-	-	-	-	-	-	-	-	-	-

SAI, followed by L, P or V, followed by M8, followed by B or blank, followed by G or W, followed by R or blank, followed by 3, 4, 3B, 4B, PB or CD, followed by S or blank, followed by a 2 digit, followed by V, B, E, U, A, D, Y or T	3, 4	24 (0.25^2)	3	30	No	-	-	-	-	-	-	-	-	-	-	-	-	-
SAI, followed by L, P or V, followed by M8, followed by B, followed by G or W, followed by R or blank, followed by 3, 4, 3B, 4B, PB or CD, followed by S,L, 2L, 3L, 3LR, 3LW or blank, followed by a 2 digit, followed by V, B, E, U, A, D, Y or T	3, 4	24 (0.25^2)	3	30	No	-	-	-	-	-	-	-	-	-	-	-	-	-
Cable splitters																		
SAI, followed by L, P or V, followed by ZW, Z3, ZB or ZV, followed by M12, followed by blank or B, followed by G or W,	3	22 (0.34^2)	4	300	No	-	-	-	-	-	-	-	-	-	-	-	-	-

followed by R or blank, followed by 3, 4, 3B, 4B, 2/4, PB or CD, followed by S, L, 2L, 3L, 3LR, 3LW or blank, followed by a 2 digit, followed by V, B, E, U, A, D, Y or T	4	24 (0.25^2)	3	30	No	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euro-fast appliance inlets and appliance outlets																			
SAIE-M12B-4-(&)U-FP-M16																			
SAIE-M12B-4-(&)U-M16																			
SAIE-M12B-4-(&)U-PG9																			
SAIE-M12B-4-LP-HW-M16																			
SAIE-M12B-5-(&)U-FP-M16																			
SAIE-M12B-5-(&)U-M16																			
SAIE-M12B-5-(&)U-PG9																			
SAIE-M12B-5-(&)V-HW-PG9																			
SAIE-M12B-8-(&)U-FP-M16																			
SAIE-M12B-8-(&)U-M16																			
SAIE-M12B-8-(&)U-PG9																			

Euro-fast appliance inlets and appliance outlets																				
SAIE-M12B4-(&)U-F-M16-(&)																				
Euro-fast appliance inlets and appliance outlets																				
SAIE-M12S-4-(&)U-FP-M16																				
SAIE-M12S-4-(&)U-M16																				
SAIE-M12S-4-(&)U-PG9																				
SAIE-M12S-5-(&)U-FP-M16																				
SAIE-M12S-5-(&)U-FP-PG9																				
SAIE-M12S-5-(&)U-M16																				
SAIE-M12S-5-(&)U-PG9																				
SAIE-M12S-8-(&)U-FP-M16																				
SAIE-M12S-8-(&)U-M16																				
SAIE-M12S-8-(&)U-PG9																				
Euro-fast appliance inlets and appliance outlets																				
SAIE-M12S4-(&)U-F-M16-(&)																				
Euro-fast appliance inlets and appliance outlets																				
SAIE-M12S5-(&)U-F-M16-(&)																				

Female cable fittings

1292100150
1292100200
1292100300
1292100500
1292101000
1292110150
1292110200
1292110300
1292110500
1292111000
1292140150
1292140200
1292140300
1292140500
1292141000
1292150150
1292150200
1292150300
1292150500
1292151000
1292190150
1292190200
1292190300
1292190500
1292191000
1292200150
1292200200
1292200300
1292200500
1292201000

Male cable fittings

1292080150
1292080200
1292080300
1292080500
1292081000
1292090150
1292090200
1292090300
1292090500
1292091000
1292120150

1292120200																				
1292120300																				
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Cable Connectors, Male/Female																				
1921010000																				
1010080000																				
1467560000																				
1921030000																				
1010060000																				
1467550000																				
1921020000																				
1010090000																				
1467580000																				
1921040000																				
1010070000																				
1467570000																				
2511720000																				
1803880000																				
1920980000																				
1416720000																				
1803860000																				
1803850000																				
1920990000																				
1921000000																				
1416740000																				
1803870000																				
1920970000																				

(&) - Where (&) indicates length in meters.

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Last Updated on 2019-01-10

NLDX2.E224238 - MOTOR CONTROLLERS, MAGNETIC - COMPONENT

Motor Controllers, Magnetic - Component

See General Information for Motor Controllers, Magnetic - Component

WEIDMUELLER INTERFACE GMBH & CO KG E224238
KLINGENBERGSTR 16
32758 DETMOLD, GERMANY

Investigated to ANSI/UL 508

Magnetic motor controllers Model(s) *RCH followed by 4 or 8 followed by 2, 4 or 6, followed by 0, 1, 7 or A, followed by 005, 006, 009, 010, 012, 021, 024, 048, 060, 110, 524, 615, 720, 730, 740, A05, A06, A09, A10, A12, A21, A24, A48, A60, B10, F05, F06, F09, F10, F12, F21, F24, F48 or F60, may be followed by up to four numbers and/or letters.*

RCI followed by 3 or 4, followed by 1, 2, 7 or 8, followed by 4 or 5, followed by 002, 003, 005, 006, 009, 010, 012, 015, 017, 018, 020, 022, 024, 028, 034, 036, 048, 052, 060, 080, 110, 506, 512, 524, 548, 560, 600, 615, 675, 700, 730, A02, A03, A05, A06, A09, A10, A12, A15, A17, A18, A20, A22, A24, A28, A34, A36, A48, A52, A60, A80, B10, F06, F12, F24, F48, F60, G00, G15, G75, H00, H30, L02, L03, L05, L06, L09, L10, L12, L15, L17, L18, L20, L22, L24, L28, L34, L36, L48, L52, L60, L80, M10, R06, R12, R24, R48, R60, S00, S15, S75, T00, T30, AA2, AA3, AA5, AA6, AA9, AB0, AB2, AB5, AB7, AB8, AC0, AC2, AC4, AC8, AD4, AD6, AE8, AF2, AG0, AJ0, BB0, LA2, LA3, LA5, LA6, LA9, LB0, LB2, LB5, LB7, LB8, LC0, LC2, LC4, LC8, LD4, LD6, LE8, LF2, LG0, LJ0, MB0, AL2, AL3, AL5, AL6, AL9, AM0, AM2, AM5, AM7, AM8, AN0, AN2, AN4, AN8, AP4, AP6, AQ8, AR2, AS0, AU0, BM0, LL2, LL3, LL5, LL6, LL9, LM0, LM2, LM5, LM7, LM8, LN0, LN2, LN4, LN8, LP4, LP6, LQ8, LR2, LS0, LU0, MM0, 5L6, 5M2, 5N4, 5Q8, 5S0, 6L0, 6M5, 6T5, 7L0 or 7P0, may be followed by up to four numbers and/or letters.

RCL followed by 1, 2, 3, B, C, D, H, T or S, followed by 1, 3, 5, 7, 8, 9 or H, followed by C, D, 3, 4, 5, K, T or L, followed by 003, 004, 005, 006, 009, 010, 012, 015, 017, 018, 020, 022, 024, 028, 034, 036, 048, 052, 060, 080, 110, 506, 512, 524, 548, 560, 600, 615, 620, 700, 720, 730, 740, A03, A05, A06, A09, A12, A15, A17, A18, A20, A22, A24, A34, A36, A48, A52, A60, A80, B10, F03, F05, F06, F09, F12, F15, F18, F24, F36 or F48, may be followed by up to four numbers and/or letters.

RCL followed by 4 or E followed by 2, 4 or 6, followed by 3, 4 or 5, followed by 002, 003, 005, 006, 009, 012, 015, 017, 018, 020, 022, 024, 28, 034, 036, 048, 052, 060, 110, 506, 512, 524, 548, 560, 615, 675, 720, 730, 740, A03, A05, A06, A09, A12, A15, A17, A18, A20, A22, A24, A34, A36, A48, A52, A60, B10, F03, F05, F06, F09, F12, F18, F24, F36 or F48, maybe followed by up to four numbers and/or letters for internal identification.

RCM followed by 2, 3 or 5, followed by 2, 3, 4, 7, 8 or 9, followed by 0 or 1, followed by three letters and/or numbers. (With derivative form PT900003)**

RCZ followed by 1, 2 or 3, followed by 1 or 3, followed by 3 or 4, followed by 005 thru 048, followed by W or blank.

RP followed by 4 or 8, followed by 2, 4 or 6, followed by 0, 1, 7 or A, followed by 005, 006, 009, 010, 012, 021, 024, 048, 060, 110, 524, 615, 720, 730, 740, A05, A06, A09, A10, A12, A21, A24, A48, A60, B10, F05, F06, F09, F10, F12, F21, F24, F48 or F60. (With derivative forms: RP920020, RP920068, RP920123, RP920124, RP920129, RP920138, RP920139 or RP920145)**

Relays Model(s) *RM900049*, *RM900181*, *RM900194*, *RM900218*, *RM900231*, *RM900240*, *RM900261*, *RM900262*, *RM900263*, *RM900269*, *RM900271*, *RM900278*

RPW followed by 2, 3, 5, 6, 7, 8, C or D, followed by 0, 2, 3, 7, A or B, followed by 2, 3, 5, 7, 8 or 9, followed by three letters and/or numbers, may be followed by up to four letters and or numbers.

RRD followed by 2, 3, 4, 7 or 8, followed by 0, 1, 2, 3, 5, A or B, followed by 0, 1, 3, 4, 5, 6, 8, 9, A, B, C, D, G, H, J, K, L, M, N, P, Q, R, S or T, followed by 006 thru 250 (dc coils) or 006 thru 400 (ac coils) or 0A6 thru 2F0 (dc coils with protection diode), may be followed by up to four numbers and/or letters.

Special relays Model(s) *RCH followed by 3, 4, 7 or 8 followed by 1, 3, 5, 7, 8, 9 or S followed by 0, 1, 2, 8, 9 or L followed by 005, 006, 009, 010, 012, 015, 022, 024, 028, 036, 048, 052, 060, 110, 524, 615, 720, 730, 740, A05, A06, A09, A12, A22, A24, A48, A60, B10, F03, F05, F06, F09, F12, F22, F24, F48 or F60 - may be followed by up to four numbers and/ or letters. Cat. No. RP910163, RP910164, RP910179, RP910216, RP910221, RP910222, RP910225, and RP910242 may be followed by up to four numbers and/ or letters*

* - May be followed by up to four numbers and/or letters for internal identification.

Marking: Company name and model designation.

Last Updated on 2018-11-08

CERTIFICATE OF COMPLIANCE

Certificate Number	20160517-E64388
Report Reference	E64388-19890418
Issue Date	2016-MAY-17
Issued to:	SCHAFFNER EMV AG TEST CENTER NORDSTRASSE 11 4542 LUTERBACH SWITZERLAND
This is to certify that representative samples of	COMPONENT - ELECTROMAGNETIC INTERFERENCE FILTERS USR, Component – Appliance Filter, FS34895-16-06, Models FN356-XX-YY, where XX could be 16, 25, 36, 50, or 100, denoting the rated current, where YY could be 06, 29, 24, 33, 28, or 34, denoting the termination. Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.
Standard(s) for Safety:	UL 1283- Standard for Electromagnetic Interference Filters, 6th Edition
Additional Information:	See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's Certification and Follow-Up Service.

Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. The final acceptance of the component is dependent upon its installation and use in complete equipment submitted to UL LLC.

Look for the UL Certification Mark on the product.

Bruce Mahrenholz, Director North American Certification Program

UL LLC

SCE 188638 A

DESCRIPTION

PRODUCT COVERED:

USR, Component – Appliance Filter, **FS34895-16-06**, Models FN356-XX-YY, where XX could be 16, 25, 36, 50, or 100, denoting the rated current, where YY could be 06, 29, 24, 33, 28, or 34, denoting the termination.

GENERAL:

These devices are Electromagnetic Interference (EMI) Filters intended for incorporation in appliances or similar equipment. The current detailed below is the maximum rated at a maximum ambient temperature rating.

ELECTRICAL RATINGS:

Model	Current (A)	Voltage (Vac)	Frequency (Hz)	Phase	Maximum Ambient Temperature (°C)
FS 34895 – 16 - 06	**16**	**440/250**	**50/60**	**3**	**60**
FN 356 – 16 - XX	16	440/250	50/60	3	40
FN 356 – 25 - YY	25	440/250	50/60	3	40
FN 356 – 36 - YY	36	440/250	50/60	3	40
FN 356 – 50 - YY	50	440/250	50/60	3	40
FN 356 –100 - ZZ	100	440/250	50/60	3	40

XX: 06 = Faston 6.3 * 0.8
29 = Terminal block 4 mm²

YY: 24 = Screw Terminal M6
33 = Terminal block 10 mm²

ZZ: 28 = Screw Terminal M 10
34 = Terminal block 25 mm²

ENGINEERING CONSIDERATIONS:

* USR indicates the filters have been evaluated to the Standard for Electromagnetic Interference Filters, UL 1283, **Sixth** Edition.

CONDITIONS OF ACCEPTABILITY:

General - The components covered by this Report are Component Appliance Electromagnetic Interference Filters intended to be used in the end-use product where the acceptability of the combination with the end-use product has been determined by UL LLC.

The following items should be considered in the end use product engineering evaluation.

1. **The filter shall be installed within an overall enclosure suitable for the end product application. Mounting means should be considered in the end-use application.**

2. **The filter shall be installed in compliance with the mounting, terminal, spacing and segregation requirements of the end use application.**

3. **The terminals have not been evaluated for field wiring. The acceptability of the grounding terminal should be determined in the end use application.**

4. **Appliance filters inherently have considerable leakage current to the grounding conductor. These devices have leakage current measurements exceeding 0.5 mA. The leakage current is to be measured in the end product to determine compliance with the end use requirements.**

5. **Capacitor Discharge voltage measurements have been provided for reference only. The need to determine capacitor discharge voltages in the end application shall be considered.**

6. **The components were submitted and tested with a maximum manufacturer's recommended ambient as indicated in the Electrical Ratings Table. The need for additional testing if these devices are used above this rating shall be considered in the end-use application.**

7. **Temperature tests were conducted in free air. For other than industrial control panel applications the case temperature should be measured in the end use equipment.**

8. **The Abnormal Operation Test (Par. 32, UL 1283) was not conducted. Suitability of this device to comply with this requirement must be considered in the end-use application.**

9. **These filters have been investigated for use in voltage network systems where the line to ground voltage does not exceed the slash voltage rating.**

*****

File E64388
Project 89ME700

Issued: April 18, 1989
Revised: August 26, 2015

REPORT

on

COMPONENT - ELECTROMAGNETIC INTERFERENCE FILTERS

Schaffner EMC Inc
Edison, NJ

NRAQ.E214119
Programmable Controllers

See UL Online Certification Directory (http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/sho
name=NRAQ.E214119&ccnshorttitle=Programmable+Controllers&objid=1075191863&cfgid=10737418

Programmable Controllers

See General Information for Programmable Controllers (http://database.ul.com/cgi-bin/XYV/template/LISE
&name=NRAQ.GuideInfo&ccnshorttitle=Programmable+Controllers&objid=1074108922&cfgid=1073741

UNITRONICS (1989) (R'G) LTD
UNITRONICS BLDG
PO BOX 300, AIRPORT CITY
70100 BEN-GURION AIRPORT, ISRAEL

Investigated to ANSI/UL 508

Add-on interface modules, "Jazz Series" Model(s) MJ20-MEM1, MJ20-MEM2, MJ20-MEM3, MJ20-PRG, MJ20-PRG-
PRG-M2, MJ20-PRG-M3, MJ20-RS

Communication modules Model(s) UAC-CX-01CAN , UAC-CX-01RS2, UAC-CX-01RS4,V100-17-CAN, V100-17-ET2,
RS4, V100-17-RS4X, V200-19-ET1, V200-19-ET2, V200-19-R4, V200-19-RS4, V200-19-RS4-XV100-17-RS4X,V100-1
RS4,V100-17-ET2,V100-17-CAN,V100-17-PB1,V200-19-ET2

Expansion adapters Model(s) UAG-CX-XKPxxx, EX-A1, EX-A2X, EX-RC1

Input/output expansion modules Model(s) EX-D16A3-RO8, EX-D16A3-RO8L, EX-D16A3-TO16, EX-D16A3-TO16L,
DI8-RO8, IO-AI1X-AO3X, IO-AI4-AO2, IO-AI4-AO2-B, IO-AI8, IO-AI8Y, IO-AO6X, IO-ATC8, IO-D16A3-RO16, IO-D16
IO-D16A3-TO16, IO-D16A3-TO16L, IO-DI16, IO-DI16-L, IO-DI8-RO4, IO-DI8-RO4-L, IO-DI8-RO8, IO-DI8-RO8-L, IO
IO-DI8-TO8-L, IO-DI8ACH, IO-LC1, IO-LC3, IO-PT4, IO-PT400, IO-PT4K, IO-RO16, IO-RO16-L, IO-RO8, IO-TO16

Isolated universal converters Model(s) M90-19-R4

Programmable controllers, "Jazz Series" Model(s) JZ20-R16HS, JZ20-T18, JZ20-T18L, JZ20-T20HS,JZ10-11-PT1
11-R10, JZ10-11-R10L, JZ10-11-R16, JZ10-11-R16L, JZ10-11-R31, JZ10-11-R31L, JZ10-11-T10, JZ10-11-T10L, JZ1
JZ10-11-T17L, JZ10-11-T40, JZ10-11-T40L, JZ10-11-UA24, JZ10-11-UA24L, JZ10-11-UN20, JZ10-11-UN20L, JZ20-J
JZ20-PT15, JZ20-R10, JZ20-R10L, JZ20-R16, JZ20-R16L, JZ20-R31, JZ20-R31L, JZ20-T10, JZ20-T10L, JZ20-T17, JZ
JZ20-T40, JZ20-T40L, JZ20-UA24, JZ20-UA24L, JZ20-UN20, JZ20-UN20L

Programmable controllers Model(s)US5-B10-RA28, US5-B10-TR22, US5-B10-B1, US5-B10-TA30, US5-B10-T24, U
RA28, US7-B10-TR22,US7-B10-B1, US7-B10-TA30,US7-B10-T24 , M90-19-B1A, M90-2-B1A, M90-2-R1, M90-2-R1C,
R2C, M90-2-R2LC, M90-2-T, M90-2-T1, M90-2-T1C, M90-2-TA2C, M90-2-TA3C, M90-R1, M90-R1-CAN, M90-R2-CAN,
CAN, M90-T, M90-T1, M90-T1-CAN, M90-TA2-CAN, M90-TA3-CAN, M91-19-4FL1, M91-19-4R1, M91-19-4R2, M91-19
M91-19-4R6C, M91-19-4T1, M91-19-4T2C, M91-19-4TC2, M91-19-4UA2, M91-19-4UN2, M91-19-4ZK, M91-19-R1, M
M91-19-R2C, M91-19-R6C, M91-19-T2C, M91-19-TC2, M91-19-UN2, M91-2-FL1, M91-2-PZ1, M91-2-R1, M91-2-R2, I
R2C, M91-2-R34, M91-2-R6, M91-2-R6C, M91-2-RA22, M91-2-T1, M91-2-T2C, M91-2-T38, M91-2-TC2, M91-2-UA2,
UN2, M91-2-ZK, M91-T4-FL1, M91-T4-PZ1, M91-T4-R1, M91-T4-R2, M91-T4-R2C, M91-T4-R34, M91-T4-R6, M91-T4-
T4-RA22, M91-T4-T1, M91-T4-T2C, M91-T4-T38, M91-T4-TC2, M91-T4-UA2, M91-T4-UN2, M91-T4-ZK, SM35-J-R20,
T20, SM43-J-T20, SM43-J-R20, SM43-J4-R20, UAC-01RS2, UAC-02RS2, UAC-02RSC, UAG-XKPLxxx, UAG-XKPxxx, U
UIA-0006, UIA-0402N, UIA-0402NL,UIA-0800N, UID-0016R, UID-0016RL, UID-0016T, UID-0808R, UID-0808RL, UID
UID-0808THS, UID-0808THSL, UID-0808TL, UID-1600,UIS-04PTN, UIS-08TC,UIS-WCB1, UIS-WCB2, UID-1600L, UID
W1616R,UID-W1616T,USC-P-B10, USP-070-B08, USP-070-B10, USP-104-B10, USP-104-M10, USP-121-B10, USP-15
B10,V1040-ET-T20B*, V1040-T20B*, V1040-T20B-NK*, V1040-T20BJ*, V1040-T20BJ-NK*, V120-12-R1, V120-12-R2
12-R6C, V120-12-T1, V120-12-T2C, V120-12-UA2, V120-12-UN2, V120-22-R1, V120-22-R2C, V120-22-R34, V120-2
V120-22-R6C, V120-22-RA22, V120-22-T1, V120-22-T2C, V120-22-T38, V120-22-UA2, V120-22-UN2, V1210-T20BJ
33-B1, V130-33-R2, V130-33-R34, V130-33-R6, V130-33-RA22, V130-33-T2, V130-33-T38, V130-33-TA24, V130-33
V130-33-TR34, V130-33-TR34L, V130-33-TR6, V130-33-TRA22, V130-33-TRA22L, V130-33-ZK1, V130-RX-T38, V13
T38, V130-T4-B1, V130-T4-R2, V130-T4-R34, V130-T4-R6, V130-T4-RA22, V130-T4-T2, V130-T4-T38, V130-T4-TA2
T4-TR20, V130-T4-TR34, V130-T4-TR34L, V130-T4-TR6, V130-T4-TRA22, V130-T4-TRA22L, V130-T4-ZK1, V230-1
V230-ET-B20B*, V260-16-B20B*, V280-18-B20B*, V290-19-B20B*, V290-19-T40B*, V350-35-B1, V350-35-R2, V35
V350-35-R6, V350-35-RA22, V350-35-T2, V350-35-T38, V350-35-TA24, V350-35-TR20, V350-35-TR34, V350-35-TR
V350-35-TR6, V350-35-TRA22, V350-35-TRA22L, V350-RX-R34, V350-RXC-R34, V530-53-B20B*, V530-53-B20B-J*,
C30B, V570-57-C30B-J, V570-57-T20B*, V570-57-T20B-J*, V570-57-T40B*, V570-57-T40B-J*, V570-ET-T20B*,V70
V700-T4-T20BJ,V350-35-R34, V130-33-R34, V430-J-B1,V430-J-R2,V430-J-R34,V430-J-RA22,V430-J-RH2,V430-J-RH
T2, V430-J4-T2, V430-J-T38,V430-J-TA24,V430-J-TR34,V430-J-TRA22,SM43-J-T20,SM43-J-TA22, SM70-J-TA22, SM7
SM35-J-T20

Snap-in I/O modules Model(s) V200-18-E1B, V200-18-E2B, V200-18-E3B, V200-18-E3XB, V200-18-E4B, V200-18
E4XB,V200-18-E46B, V200-18-E5B, V200-18-E6B, V200-18-E6BL, V200-18-ECB, V200-18-ECXB, V200-18-ESB, SM7
SM70-J4-R20, SM70-J-R20

* - May be followed by a three alphanumeric suffix.

NOTE - All the models may be followed by an alphanumeric suffix. This suffix is for customer designation, and may al
designate that the models are installed with UL-listed communication modules.

The listed programmable controllers named may be modify by "-J" in the middle. The modifier '-J', which signifies a c
difference (the front panel is flat), replaces the numerals 11/33/35/57 if they appear in the controllers name.
For example, controller models named JZ10-11-R10, V130-33-T38, V350-35-T38, V570-57-T20B, V1040-T20B & JZ2
be modified to JZ10-J-R10, V130-J-T38, V350-J-T38, V570-J-T20B, V1040-J-T20B & JZ20-J-R16, respectively.

Last Updated on 20

ZODZ2.E500004 - POSITIONING DEVICES - COMPONENT

Positioning Devices - Component

See General Information for Positioning Devices - Component

WEIDMUELLER INTERFACE GMBH & CO KG E500004
KLINGENBERGSTR 16
32758 DETMOLD, GERMANY

Positioning Devices Investigated to ANSI/UL 1565

Catalog No.	Maximum Use Temp °C(°F)
Plastic Wiring Ducts	
CD-COD..4/6	50 (122)
Plastic Wiring Ducts (Class 94V-0, whit or gray color)	
CD ? 4/6	50 (122)
CD ? 8/12	50 (122)
CD-BO ? 4/6	50 (122)
CD-BO ? 8/12	50 (122)
Plastic Wiring Ducts (gray color)	
2589270000	130 (266)
2589290000	130 (266)
2589320000	130 (266)
2589340000	130 (266)
2589360000	130 (266)
2589390000	130 (266)
2589410000	130 (266)
2589930000	130 (266)
2589960000	130 (266)
2589980000	130 (266)
2590010000	130 (266)
2590040000	130 (266)

2590060000	130 (266)
2590090000	130 (266)

Marking: Company name, catalog or model number, the Recognized Component Mark, and, if published with the product, the product's maximum and minimum operating temperature, minimum installation temperature if below 0°C, minimum and maximum bundle diameter, loop tensile strength, type designation and/or declared mechanical strength on the product or on the smallest unit container in which the product is packaged.

Last Updated on 2019-01-09

NRNT7.E41515 - SWITCHES, INDUSTRIAL CONTROL CERTIFIED FOR CANADA

Switches, Industrial Control Certified for Canada

See General Information for Switches, Industrial Control Certified for Canada

OMRON CORP E41515
SAFETY STANDARDS GROUP
IAB GLOBAL QUALITY CENTER
SHIOKOJI HORIKAWA
SHIMOGYO-KU, KYOTO 600-8530 JAPAN

Investigated to CAN/CSA C22.2. No. 14-10

Time switches Model(s) *H5F may be followed by -K or -F, followed by A, B, AC, AL, BC or BL may be followed by 90 or by additional numbers from 300 through 999.*

Investigated to

Industrial Control Switches Model(s) *G3PJ followed by 2 or 5, followed by 15 or 25, followed by B, may be followed by PU, may be followed by letter(s) and / or numbers.*

G6D or G3DZ followed by -F4PU, may be followed by any letter(s) and/or number(s).

H3RN, followed by a blank, followed by 1 or 2, ma y be followed by 1 or 2, followed by a blank, followed by B, may be followed by an additional number from 300 through 999.

H8PS followed by 8, 16 or 32, followed by A or B, may be followed by F, may be followed by P+

MY, followed by 4, may be followed by Z, followed by H, followed by -US, may be followed by optional letter(s) and/or number(s), followed by AC12 through AC120 or DC12 through DC110.

+ - May be followed by 300 through 999.

Last Updated on 2019-02-07

NRNT.E41515 - SWITCHES, INDUSTRIAL CONTROL

Switches, Industrial Control

See General Information for Switches, Industrial Control

OMRON CORP E41515
SAFETY STANDARDS GROUP
IAB GLOBAL QUALITY CENTER
SHIOKOJI HORIKAWA
SHIMOGYO-KU, KYOTO 600-8530 JAPAN

Investigated to ANSI/UL 508

Time switches Model(s) *H5F may be followed by -K or -F, followed by A, B, AC, AL, BC or BL may be followed by 90 or by additional numbers from 300 through 999.*

Investigated to

Industrial Control Switches Model(s) *G3PJ followed by 2 or 5, followed by 15 or 25, followed by B, may be followed by PU, may be followed by letter(s) and / or numbers.*

G6D or G3DZ followed by -F4PU, may be followed by any letter(s) and/or number(s).

H3RN, followed by a blank, followed by 1 or 2, ma y be followed by 1 or 2, followed by a blank, followed by B, may be followed by an additional number from 300 through 999.

H8PS followed by 8, 16 or 32, followed by A or B, may be followed by F, may be followed by P+

MY, followed by 4, may be followed by Z, followed by H, followed by -US, may be followed by optional letter(s) and/or number(s), followed by AC12 through AC120 or DC12 through DC110.

+ - May be followed by 300 through 999.

Last Updated on 2019-02-07

UL TEST REPORT AND PROCEDURE

Standard:	UL 60950-1, 2nd Edition, 2014-10-14 (Information Technology Equipment - Safety - Part 1: General Requirements) CAN/CSA C22.2 No. 60950-1-07, 2nd Edition, 2014-10 (Information Technology Equipment - Safety - Part 1: General Requirements)
Certification Type:	Component Recognition
CCN:	QQGQ2, QQGQ8 (Power Supplies for Information Technology Equipment Including Electrical Business Equipment)
Complementary CCN:	QQJQ2, QQJQ8 (Power Supplies for Use in Audio/Video, Information and Communication Technology Equipment)
Product:	Switching Power Supply
Model:	RWS300B-5, RWS300B-12, RWS300B-15, RWS300B-24, RWS300B-28, RWS300B-36, and RWS300B-48 Maybe followed by suffix "abcdef" ("a" is "/", "b" is "R", "c" is "CO2", "d" is "FG", "e" is "DIN"; "f" is "H" (for RWS300B-24); and "a", "b", "c", "d", "e" and "f" may be blank)
Rating:	Input: 100-240 Vac, 50-60 Hz, 3.3 A (for Model RWS300B-5) and 3.8 A (for Models RWS300B-12, RWS300B-15, RWS300B-24, RWS300B-28, RWS300B-36, and RWS300B-48)
Applicant Name and Address:	TDK-LAMBDA CORP NAGAOKA TECHNICAL CENTER R&D DIV 2704-1 SETTAYA-MACHI NAGAOKA-SHI NIIGATA 940-1195 JAPAN

This is to certify that representative samples of the products covered by this Test Report have been investigated in accordance with the above referenced Standards. The products have been found to comply with the requirements covering the category and the products are judged to be eligible for Follow-Up Service under the indicated Test Procedure. The manufacturer is authorized to use the UL Mark on such products which comply with this Test Report and any other applicable requirements of UL LLC ('UL') in accordance with the Follow-Up Service Agreement. Only those products which properly bear the UL Mark are considered as being covered by UL's Follow-Up Service under the indicated Test Procedure.

The applicant is authorized to reproduce the referenced Test Report provided it is reproduced in its entirety.

UL authorizes the applicant to reproduce the latest pages of the referenced Test Report consisting of the first page of the Specific Technical Criteria through to the end of the Conditions of Acceptability.

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

Prepared by: Toshiyuki Suzuki Reviewed by: Tetsuo Iwasaki

Supporting Documentation

The following documents located at the beginning of this Procedure supplement the requirements of this Test Report:

A. Authorization - The Authorization page may include additional Factory Identification Code markings.

B. Generic Inspection Instructions -

i. Part AC details important information which may be applicable to products covered by this Procedure. Products described in this Test Report must comply with any applicable items listed unless otherwise stated in the body of this Test Report.

ii. Part AE details any requirements which may be applicable to all products covered by this Procedure. Products described in this Test Report must comply with any applicable items listed unless otherwise stated in the body of each Test Report.

iii. Part AF details the requirements for the UL Certification Mark which is not controlled by the technical standard used to investigate these products. Products are permitted to bear only the Certification Mark(s) corresponding to the countries for which it is certified, as indicated in each Test Report.

Product Description

The product covered in this Test Report is building-in type switching power supply with a single output circuit.

Output:
5 Vdc (4.5 Vdc - 5.75 Vdc), maximum 50 A (maximum 250 W) (for Model RWS300B-5)
12 Vdc (10.8 Vdc - 13.8 Vdc), maximum 25 A (maximum 300 W) (for Model RWS300B-12)
15 Vdc (13.5 Vdc - 17.2 Vdc), maximum 20 A (maximum 300 W) (for Model RWS300B-15)
24 Vdc (21.6 Vdc - 27.6 Vdc), maximum 12.5 A (maximum 300 W) (for Model RWS300B-24)
24 Vdc (21.6 Vdc - 25.0 Vdc), maximum 12.5 A (maximum 300 W) (for Model RWS300B-24/H)
28 Vdc (25.2 Vdc - 32.2 Vdc), maximum 11 A (maximum 308 W) (for Model RWS300B-28)
36 Vdc (32.4 Vdc - 41.4 Vdc), maximum 8.4 A (maximum 302.4 W) (for Model RWS300B-36)
48 Vdc (43.2 Vdc - 52.8 Vdc), maximum 6.3 A (maximum 302.4 W) (for Model RWS300B-48)

Model Differences

All models are identical, except for model designation, output rating, secondary winding and internal construction of Transformer (T1), and secondary components.

RWS300B Series maybe followed by suffix "abcdef". ("a" is "/", "b" is "R", "c" is "CO2", "d" is "FG", "e" is "DIN", "f" is "H" (for RWS300B-24); and "a", "b", "c", "d", "e" and "f" may be blank)
1. R: Model provided with optional ON/OFF control function. Photo Coupler (PC103) and related circuit provided.
2. CO2: Model provided with optional thin coating (QMJU2) on both component and solder side of PWB
3. FG: Model with Low Leakage (the capacitances between Primary - FG reduced).
4. DIN: Model provided with Din Rail Mounting Bracket.
5. H: Model of long hold-up time.

Technical Considerations

- Equipment mobility : for building-in
- Connection to the mains : N/A
- Operating condition : continuous
- Access location : N/A (for building-in)
- Over voltage category (OVC) : OVC II
- Mains supply tolerance (%) or absolute mains supply values : +10%, -10%
- Tested for IT power systems : No
- IT testing, phase-phase voltage (V) : N/A
- Class of equipment : Class I (earthed)
- Considered current rating of protective device as part of the building installation (A) : 20 A

- Pollution degree (PD) : PD 2
- IP protection class : IP X0
- Altitude of operation (m) : less than 3000 m
- Altitude of test laboratory (m) : approximately 10 to 20 m
- Mass of equipment (kg) : approximately 0.9 kg
- The product is intended for use on the following power systems: TN
- The product was submitted and evaluated for use at the maximum ambient temperature (Tma) permitted by the manufacturer's specification of: See Enclosure Id. 7-01 and 7-04.

Engineering Conditions of Acceptability

For use only in or with complete equipment where the acceptability of the combination is determined by UL LLC. When installed in an end-product, consideration must be given to the following:

- Line to Line Capacitor C1 have maximum 0.68uF for capacitance. C1: 0.68uF was used in test. Therefore, consideration shall be given in conducting Capacitance Discharge Test in the end product application with respect to the variation in C1.
- Line to ground Capacitors C2, C3 has maximum 2200 pF for capacitance. Primary to ground Capacitor C8 have maximum 2200 pF for capacitance. C2, C3 and C8: 2200pF were used in test. Therefore, consideration shall be given to conducting Touch Current Test in the end-product with respect to the variation in C2, C3 and C8.
- Earth terminal provided on Terminal Block (TB1) has not been evaluated as protective earthing terminal. This component is intended to be connected to a protective earth via earthed parts of end-product. If protective earthing conductor is connected to the earth terminal on Terminal Block (TB1) in the end product, Limited Short-Circuit Test per CSA C22.2 No.04 shall be conducted.
- Model RWS300B-5 was tested with Output Voltage Range of 4.5 - 5.75 Vdc (maximum 250 W) Model RWS300B-12 was tested with Output Voltage Range of 10.8 - 13.8 Vdc (maximum 300 W) Model RWS300B-15 was tested with Output Voltage Range 13.5 - 17.2 Vdc (maximum 300 W) Model RWS300B-24 was tested with Output Voltage Range of 21.6 - 27.6 Vdc (maximum 300 W) Model RWS300B-24/H was tested with Output Voltage Range of 21.6 - 25.0 Vdc (maximum 300W) Model RWS300B-28 was tested with Output Voltage Range of 25.2 - 32.2 Vdc (maximum 308 W) Model RWS300B-36 was tested with Output Voltage Range of 32.4 - 41.4 Vdc (maximum 302.4 W) Model RWS300B-48 was tested with Output Voltage Range of 43.2 - 52.8 Vdc (maximum 302.4 W).
- The end-product Electric Strength Test shall take into account the maximum working voltage of: [Model RWS300B-5] Primary - Secondary: 472 Vrms and 848 Vpk / Primary - Ground: 431 Vrms and 840 Vpk [Model RWS300B-12] Primary - Secondary: 413 Vrms and 784 Vpk / Primary - Ground: 411 Vrms and 776 Vpk [Model RWS300B-15] Primary - Secondary: 431 Vrms and 652 Vpk / Primary - Ground: 383 Vrms and 648 Vpk [Model RWS300B-24] Primary - Secondary: 454 Vrms and 672 Vpk / Primary - Ground: 390 Vrms and 616 Vpk[Model RWS300B-24/H] Primary - Secondary: 421 Vrms and 656 Vpk / Primary - Ground: 381 Vrms and 660 Vpk [Model RWS300B-28 and Model RWS300B-36] Primary - Secondary: 448 Vrms and 672 Vpk / Primary - Ground: 391 Vrms and 632 Vpk [Model RWS300B-48] Primary - Secondary: 456 Vrms and 664 Vpk / Primary - Ground: 388 Vrms and 612 Vpk
- The following secondary output circuits are SELV: Output of Models RWS300B-5, RWS300B-12, RWS300B-15, RWS300B-24, RWS300B-28, RWS300B-36, and RWS300B-48
- The following secondary output circuits are at hazardous energy levels: Output of Models RWS300B-5, RWS300B-12, RWS300B-15, RWS300B-24, RWS300B-28, RWS300B-36, and RWS300B-48
- The power supply terminals and/or connectors are: Suitable for factory wiring only.
- The maximum investigated branch circuit rating is: 20 A
- The investigated Pollution Degree is: 2
- Proper bonding to the end-product main protective earthing termination is: Required
- The following magnetic devices (e.g. transformers or inductor) are provided with an OBJY2 insulation system with the indicated rating greater than Class A (105°C): Transformer (T1) (Class 155(F))

- The following end-product enclosures are required: Electrical, Fire.
- The following secondary output circuits are ES1: Output of all models.
- The following secondary output circuits are at PS3 energy level: Output of all models.

Additional Information

The Clearances and Creepage Distances have additionally been assessed for suitability up to 3000 m elevation.

Additional Standards

The product fulfills the requirements of: UL 62368-1, 2nd Edition, 2014-12-01, CAN/CSA C22.2 No. 62368-1-14, 2nd Edition, 2014-12.

Markings and instructions

Clause Title	Marking or Instruction Details
1.7.1 Power rating - Ratings	Ratings (voltage, frequency/dc, current)
1.7.1 Power rating - Company identification	Listee's or Recognized company's name, Trade Name, Trademark or File Number
1.7.1 Power rating - Model	Model Number
1.7.6 Fuses - Rating	Rated current and voltage and type located on or adjacent to fuse or fuseholder.

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certification documents ELVIO CARNAGHI
ABB SPA ABB SACE DIV
DIN-RAIL
COMPONENTS AND WIRING ACCESSORIES
VIALE DELL'INDUSTRIA 18
20010 VITTUONE MI ITALY

Date:	2018/03/21
Subscriber:	100117278
PartySite:	536068
File No:	E244046
Project No:	18SR4851838
PD No:	18M10510
Type:	R
PO Number:	

Subject: **Procedure And/Or Report Material**

The following material resulting from the investigation under the above numbers is enclosed.

Issue Date	Vol	Sec	Pages	Revised Date
2004/10/29	1	1	Cert of Compliance	

Please file revised pages and illustrations in place of material of like identity. New material should be filed in its proper numerical order.

NOTE: Follow-Up Service Procedure revisions DO NOT include Cover Pages, Test Records and Conclusion Pages. Report revisions DO NOT include Authorization Pages, Indices, Section General Pages and Appendixes.

Please review this material and report any inaccuracies to FRANCESC SCALVINI (EXT. 47581)

This material is provided on behalf of UL LLC(UL) or any authorized licensee of UL.

MEL File

CERTIFICATE OF COMPLIANCE

Certificate Number	20180321-E244046
Report Reference	E244046-20041029
Issue Date	2018-MARCH-21

Issued to:	ABB SPA ABB SACE DIV DIN-RAIL COMPONENTS AND WIRING ACCESSORIES VIALE DELL'INDUSTRIA 18 20010 VITTUONE MI ITALY
This is to certify that representative samples of	COMPONENT - GROUND-FAULT SENSING AND RELAYING EQUIPMENT Component Ground Fault Sensing and Relaying Equipment Series F200. Cat. Nos. F202 and F204 followed by A or AC with or without the letter S followed by 16, 25, 40, 63, 80 or 100 followed by 0.01, 0.03, 0.1, 0.3, 0.5 or 1. May be followed by the letters AP-R
	Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.
Standard(s) for Safety:	UL 1053, the Standard for Ground-Fault Sensing and Relaying Equipment CSA C22.2 NO. 144-06, Ground Fault Circuit Interrupters
Additional Information:	See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's Certification and Follow-Up Service.

The UL Recognized Component Mark generally consists of the manufacturer's identification and catalog number, model number or other product designation as specified under "Marking" for the particular Recognition as published in the appropriate UL Directory. As a supplementary means of identifying products that have been produced under UL's Component Recognition Program, UL's Recognized Component Mark: ᴿᵁ, may be used in conjunction with the required Recognized Marks. The Recognized Component Mark is required when specified in the UL Directory preceding the recognitions or under "Markings" for the individual recognitions.

Bruce Mahrenholz, Director North American Certification Program

UL LLC

CERTIFICATE OF COMPLIANCE

Certificate Number 20180321-E244046
Report Reference E244046-20041029
Issue Date 2018-MARCH-21

Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. The final acceptance of the component is dependent upon its installation and use in complete equipment submitted to UL LLC.

Look for the UL Certification Mark on the product.

Bruce Mahrenholz, Director North American Certification Program

UL LLC

CERTIFICATE OF COMPLIANCE

Certificate Number	20180418-E500085
Report Reference	E500085-19920618
Issue Date	2018-APRIL-18
Issued to:	ABB Stotz-Kontakt GmbH Eppelheimer Str 82 69123 Heidelberg GERMANY
This is to certify that representative samples of	COMPONENT - PROTECTORS, SUPPLEMENTARY Accessory, Shunt Trip S2-A1,S2-A2 and S2C-A1, S2C-A2
	Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.
Standard(s) for Safety:	UL 1077, Supplementary Protectors for Use in Electrical Equipment
Additional Information:	See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's Certification and Follow-Up Service.

The UL Recognized Component Mark generally consists of the manufacturer's identification and catalog number, model number or other product designation as specified under "Marking" for the particular Recognition as published in the appropriate UL Directory. As a supplementary means of identifying products that have been produced under UL's Component Recognition Program, UL's Recognized Component Mark: ᴿᵁ, may be used in conjunction with the required Recognized Marks. The Recognized Component Mark is required when specified in the UL Directory preceding the recognitions or under "Markings" for the individual recognitions.

Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. The final acceptance of the component is dependent upon its installation and use in complete equipment submitted to UL LLC.

Look for the UL Certification Mark on the product.

Bruce Mahrenholz, Director North American Certification Program

UL LLC

CERTIFICADO DE CONFORMIDADE
CERTIFICATE OF CONFORMITY

Certificado No. / *Certificate No.*	**UL-BR 15.0138**
Página / *Page*	**1/7**
Solicitante / *Applicant* 618361-001	ABB Stotz-Kontakt GmbH 82 Eppelheimer Strass Heidelberg, 69123 Germany
Produto Certificado / *Certified Product*	Disjuntores / *Circuit Breakers*
Família de produto / *Product's Family*	S200M; S200
Modelo - Tipo / *Model - Type*	**S200M** Correntes (características C, D) - 0.5A, 1A, 1.6A, 2A, 3A, 4A, 6A, 8A, 10A, 13A, 16A, 20A, 25A, 32A, 40A, 50A e 63A. Correntes (característica B) – 6A, 8A, 10A, 13A, 16A, 20A, 25A, 32A, 40A, 50A e 63A. **S200** Correntes (características B, C, D) - 0.5A, 1A, 1.6A, 2A, 3A, 4A, 6A, 8A, 10A, 13A, 16A, 20A, 25A, 32A, 40A, 50A e 63A. **S200L** Correntes (características C, D) - 0.5A, 1A, 1.6A, 2A, 3A, 4A, 6A, 8A, 10A, 13A, 16A, 20A, 25A, 32A, 40A, 50A e 63A. Correntes (característica B) – 6A, 8A, 10A, 13A, 16A, 20A, 25A, 32A, 40A, 50A e 63A.
Marca comercial / *Trademark*	ABB
Normas aplicáveis / *Applicable standards*	ABNT NBR NM 80898:2004 – Disjuntores para proteção de Sobrecorrentes para instalações domésticas e similares.
Programa de certificação ou Portaria / *Certification Program or Decree*	Portaria 348 de 2007 / *Decree 348 of 2007*
Relatório de Avaliação e Ensaios / Assessment and *Test Report #*	BR2435 / Volume 2 / Seção 1 / *BR2435 / Volume 2 / Section 1*
Concessão Para /*Consession for*	Marcação INMETRO / *INMETRO Marking*
Emissão / *Date of issue*	02 de março de 2015 / March 02, 2015
Revisão / *Revision date*	05 de maio de 2015 / May 05, 2015
Validade / *Expire date*	01 de março de 2017 / March 01, 2017

Carlos R. Zoboli
Gerente de Certificações /
Certification Manager

UL do Brasil Certificações , organismo acreditado pela Coordenação Geral de Acreditação do INMETRO – CGCRE, segundo o registro No.: OCP-0029 confirma que o produto está em conformidade com a(s) Norma(s) e programas ou Portarias acima descritas.
UL do Brasil Certificações , Certification Body accredited by Coordenação Geral de Acreditação do INMETRO - CGCRE according to the register No.: OCP-0029 confirms that the product is in compliance with the standards and certification Program or Decree above mentioned.

Certificação de Produto
OCP 0029

UL BR

Organismo de Certificação /
Certification Body

UL do Brasil Certificações
Rua Fidêncio Ramos, 195, 5° andar.
04551-010 – Vila Olímpia – São Paulo – SP – Brasil

CERTIFICADO DE CONFORMIDADE
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Certificado No. / *Certificate No.* **UL-BR 15.0138**

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Representante Legal / *Legal Representative* ABB Brasil Ltda.
Avenida dos Autonomistas, 1496 - Vila Campesina
Osasco – SP – Brasil
CNPJ: 61.074.829/0008-08

NOMENCLATURA / *NOMENCLATURE*

Série S200M / *Series S200M*

S20	1	M	-NA	C	25	XXX
I	II	III	IV	V	VI	VII

I. S20 – Designação de tipo do Disjuntor / *Supplementary Protector Type Designation*
II 1, 2, 3 ou 4 – Número de Polos / *Number of poles*
III M – Designação de tipo do Disjuntor / *Supplementary Protector Type Designation*
IV -NA – com polo neutro / *with neutral pole*
V B, C, D – Curva de Atuação / *Trip Curve*
VI 0.5, 1, 1.6, 2, 3, 4, 6, 8, 10, 13, 16, 20, 25, 32, 40, 50, 63 – Rated Current in amps
(B characteristic only 6, 8, 10, 13, 16, 20, 25, 32, 40, 50, 63 A)
VII XXX – Qualquer outra designação / *May be any applicant designation*

Série S200 / *Series S200*

S20	1	25	X
I	II	III	IV

I. S20 – Designação de tipo do Disjuntor / *Supplementary Protector Type Designation.*
II 1, 2, 3 or 4 – Número de Polos / *Number of poles*
III 0.5 – 63 – Corrente Nominal */ Rated Current*
IV X – Qualquer designação do cliente */ May any applicant designation*

Série S200L / *Series S200L*

S20	1	25	L	X
I	II	III	IV	V

I. S20 – Designação de tipo do Disjuntor / *Supplementary Protector Type Designation.*
II 1, 2, 3 or 4 – Número de Polos / *Number of poles*
III 0.5 – 63 – Corrente Nominal */ Rated Current*
IV L – Menor corrente de curto-circuito */ Lower Short-Circuit Rating*
V X – Qualquer designação do cliente */ May any applicant designation*

MARCAÇÃO / *MARKING:*

A. Marca registrada ou nome do fabricante; / *manufacturer's name or trade mark;*
B. Designação do tipo, número de catálogo ou número de série; / *type designation, catalogue number or serial number;*
C. Tensões nominais; / *rated voltages;*
D. Corrente nominal sem a unidade “A” precedida pelo símbolo de atuação instantânea (B, C, ou D); *rated current without symbol "A", preceded by the symbol of instantaneous tripping (B, C or D);*
E. Frequência nominal se o disjuntor usa apenas uma frequência; / *rated frequency if the circuit-breaker is designed only for one frequency;*
F. Capacidade de curto-circuito nominal, em amperes; / *rated short-circuit capacity, in amperes;*
G. Diagrama de ligação, a não ser que seja evidente a maneira correta de conexão; / *Wiring diagram, unless the correct mode of connection is evident;*
H. Temperatura ambiente, se diferente de 30°C; / *reference ambient air temperature, if different from 30 °C;*
I. Grau de proteção (apenas se diferente de IP20); / *degree of protection (only if different from IP20);*
J. Marca de Conformidade Brasileira; / *Brazilian conformity information mark;*
K Etiqueta requerida pelo Brasil / *Brazilian required label – see section general*

Organismo de Certificação / *Certification Body* **UL do Brasil Certificações**
Rua Fidêncio Ramos, 195, 5° andar.
04551-010 – Vila Olímpia – São Paulo – SP – Brasil

Marcações C e D, acima, devem estar visíveis quando o disjuntor estiver instado. / *Marking C and D above shall be readily visible when the circuit-breaker is installed.*

CARACTERÍSTICAS NOMINAIS / *RATINGS:*

Série S200M / ***S200M series:***
Corrente Nominal / *Current Ratings* (curvas / *characteristics* C, D) - 0.5A, 1A, 1.6A, 2A, 3A, 4A, 6A, 8A, 10A, 13A, 16A, 20A, 25A, 32A, 40A, 50A and 63A

Corrente Nominal / *Current Ratings* (curva / *characteristic* B) - 6A, 8A, 10A, 13A, 16A, 20A, 25A, 32A, 40A, 50A and 63A

Série S200 / ***S200 series:***
Corrente Nominal / *Current Ratings* (curvas / *characteristics* B, C, D) - 0.5A, 1A, 1.6A, 2A, 3A, 4A, 6A, 8A, 10A, 13A, 16A, 20A, 25A, 32A, 40A, 50A and 63A.

Série S200L / ***S200L series:***
Corrente Nominal / *Current Ratings* (curvas / *characteristics* C, D) - 0.5A, 1A, 1.6A, 2A, 3A, 4A, 6A, 8A, 10A, 13A, 16A, 20A, 25A, 32A, 40A, 50A and 63A

Corrente Nominal / *Current Ratings* (curva / *characteristic* B) - 6A, 8A, 10A, 13A, 16A, 20A, 25A, 32A, 40A, 50A and 63A

Tensão Nominal / *Voltage Ratings*

AC 230 V (poles 1+N)
AC 230/400 V (poles 1)
AC 400 V (poles 2; 3; 3+N; 4)

Série S200M / ***S200M series:***
Curto-Circuito Nominal / *Rated short-circuit capacity* (Icn): 10 kA

Série S200 / ***S200 series:***
Curto-Circuito Nominal / *Rated short-circuit capacity* (Icn): 6 kA

Série S200L / ***S200L series:***

Curto-Circuito Nominal / *Rated short-circuit capacity* (Icn): 4,5 kA

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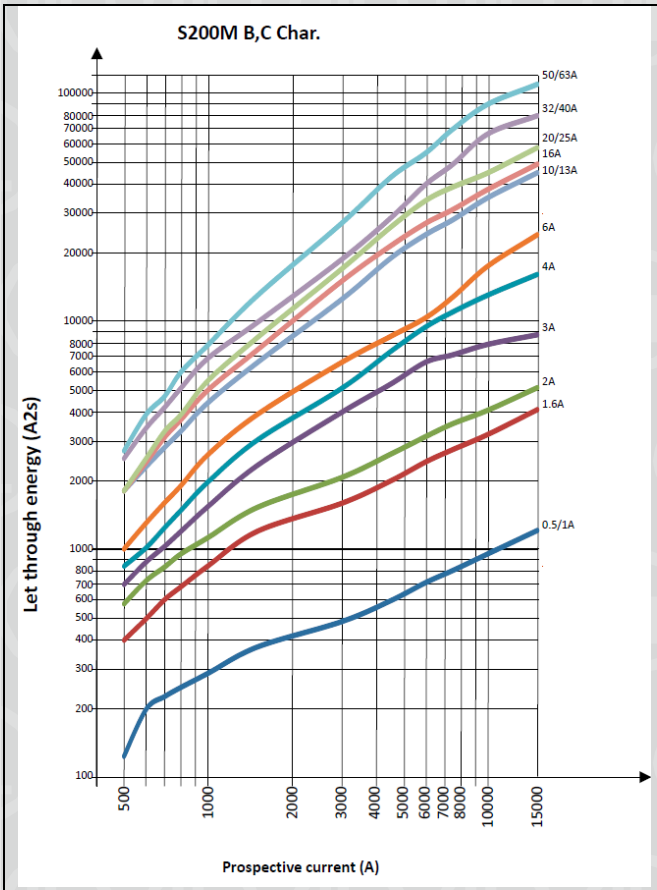
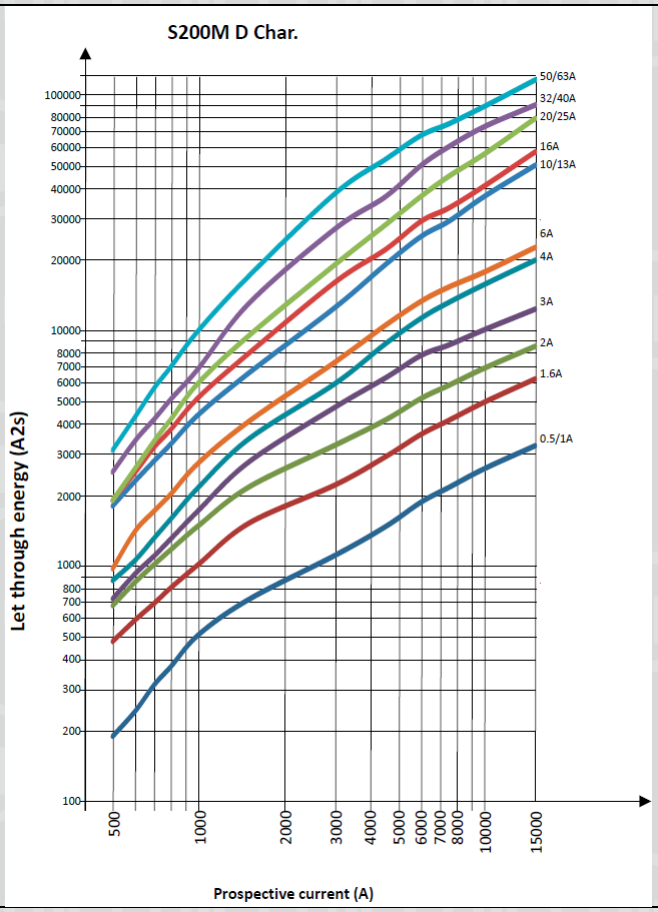
DOCUMENTOS / *DOCUMENTS:*

Curvas I²t do S200M / *I²t Curves from S200M*





Distância de grade: “a” = 35 mm

CERTIFICADO DE CONFORMIDADE
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Certificado No. / *Certificate No.* **UL-BR 15.0138**

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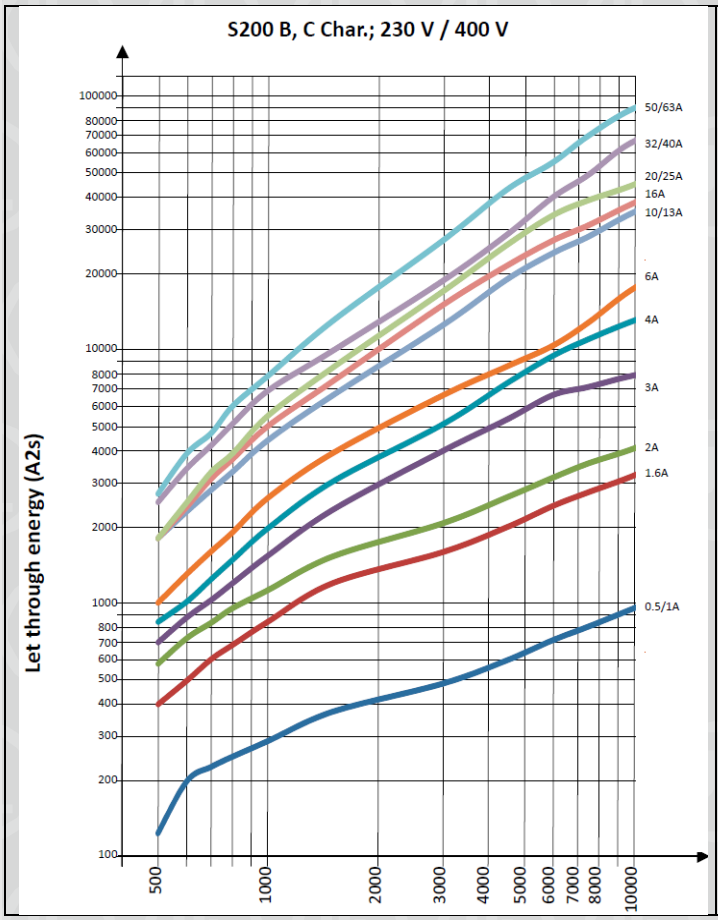
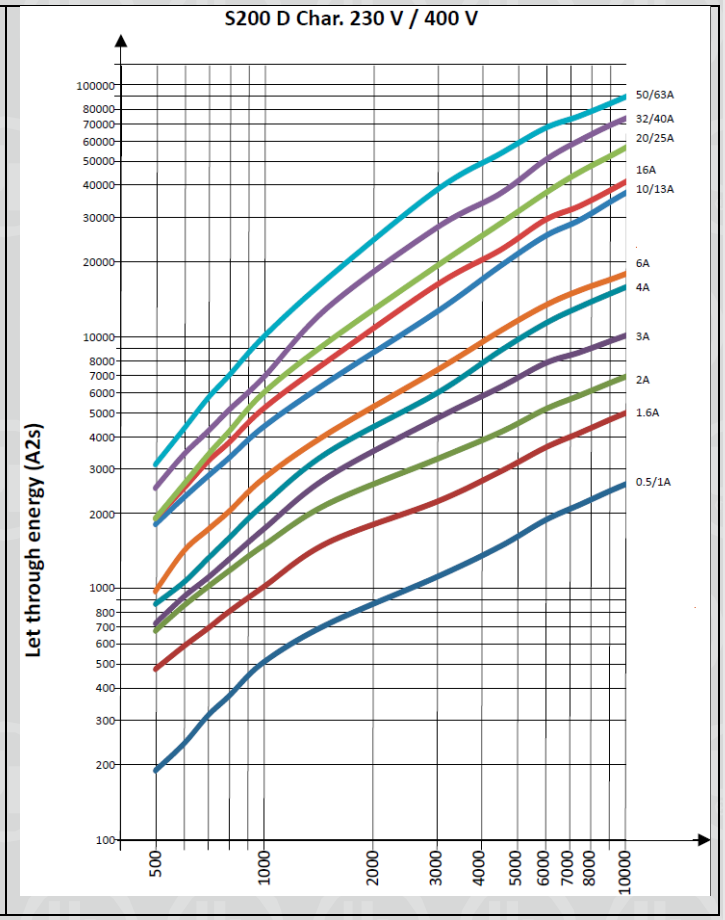
Curvas I²t do S200 / *I²t Curves from S200*





Distância de grade: “a” = 35 mm

CERTIFICADO DE CONFORMIDADE
CERTIFICATE OF CONFORMITY

Certificado No. / *Certificate No.* **UL-BR 15.0138**

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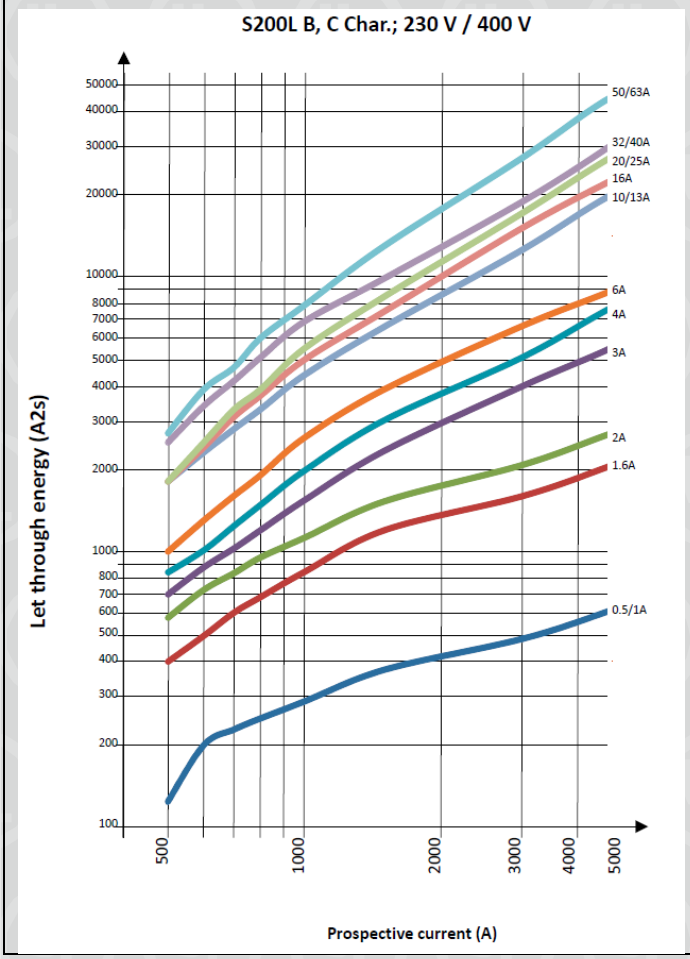
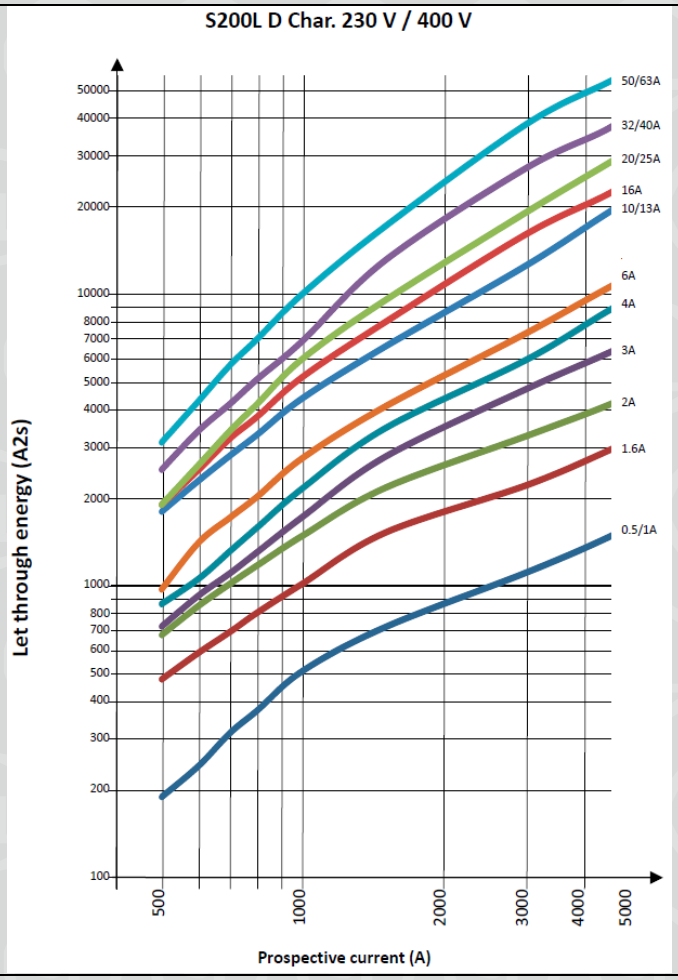
Curvas I²t do S200L / *I²t Curves from S200L*





Distância de grade: “a” = 35 mm

CERTIFICADO DE CONFORMIDADE
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Certificado No. / *Certificate No.* **UL-BR 15.0138**

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Título / *Title*	**Número** / *Number*	**Revisão** / *Revision*	**Data** / *Date*
Relatório de ensaio emitido por VDE Prüf- und Zertifizierungsinstitut GmbH / *Test report issued by VDE Prüf- und Zertifizierungsinstitut GmbH*	70000-1200-0711/158125-101 até 165 70000-1200-0247/188199-000 até 063	N/A	2012-09-27 2013-08-23
Relatório de ensaio emitido por VDE Prüf- und Zertifizierungsinstitut GmbH / *Test report issued by VDE Prüf- und Zertifizierungsinstitut GmbH*	70000-1200-0711/165007-201 até 273	N/A	2012-08-30

OBSERVAÇÕES / *OBSERVATIONS:*

1. **A validade deste Certificado está condicionada à realização das avaliações de manutenção e tratamento de possíveis não conformidades de acordo com as orientações da UL do Brasil Certificações e previstas nos procedimentos específicos.**
   The validation of this certificate depends on the surveillance inspections performing and Non conformity treatments, according to UL do Brasil Certificações procedures.

2. **Este certificado aplica-se aos equipamentos (produtos) idênticos ao protótipo avaliado e certificado, manufaturados na(s) unidade (s) fabril (is) mencionada (S) acima.**
   This certificate applies to the products that are identical to the prototype investigated, certified and manufactured at the production site mentioned in this certificate

3. **Qualquer alteração no produto, incluindo a marcação, invalidará o presente certificado, salvo se o solicitante informar por escrito à UL do Brasil Certificações sobre esta modificação, a qual procederá à avaliação e decidirá quanto à continuidade da validade do certificado.**

Any non-authorized changes performed in the product, including marking, will invalidate this certificate. UL do Brasil Certificações must be notified about any desired change. This notification will be analyzed by UL do Brasil Certificações that will decide about certificate force.

Histórico de Revisões / *Revision Description:*

05 de maio de 2015 / May 05, 2015	Certificação da série S200L / *Certiication of S200L series*
13 de abril de 2015 / April 13, 2015	Certificação da série S200 / *Certiication of S200 series*
02 de março de 2015 / March 02, 2015	Emissão inicial / *Initial Issue*
A última revisão substitui e cancela as anteriores *The last review cancel and substitutes the previous ones*	

Organismo de Certificação / ***Certification Body***

UL do Brasil Certificações
Rua Fidêncio Ramos, 195, 5° andar.
04551-010 – Vila Olímpia – São Paulo – SP – Brasil

CERTIFICATE OF COMPLIANCE

Certificate Number	20171128-E238957
Report Reference	E238957-20031003
Issue Date	2017-NOVEMBER-28
Issued to:	ABB FRANCE Activite Pole Foudre Soule & Helita 1 Ave Des Victimes Du 11 Juin 44 Boite Postale 303 65203 Bagneres-De-Bigorre FRANCE
This is to certify that representative samples of	ISOLATED LOOP CIRCUIT PROTECTORS Models OVR TC followed by 06V, 12V, 24V, 48V, 200V or 200FR. Intended for indoor use on low power communication loop circuits, which have been isolated from the Public Switched Telephone Network. Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.
Standard(s) for Safety:	UL 497B, Protectors for Data Communications and Fire-Alarm Circuits.
Additional Information:	See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.

Bruce Mahrenholz, Director North American Certification Program

UL LLC

CERTIFICATE OF COMPLIANCE

Certificate Number	20160701-E322885
Report Reference	E322885-20160630
Issue Date	2016-JULY-01
Issued to:	ABB FRANCE Activite Pole Foudre Soule & Helita 1 Ave Des Victimes Du 11 Juin 44 Boite Postale 303 65203 Bagneres-De-Bigorre FRANCE
This is to certify that representative samples of	COMPONENT - SURGE-PROTECTIVE DEVICES Models/Product Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.
Standard(s) for Safety:	ANSI/UL 1449 & CSA C22.2 No. 269.4-14, Surge Protective Devices
Additional Information:	See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's Certification and Follow-Up Service.

The UL Recognized Component Mark generally consists of the manufacturer's identification and catalog number, model number or other product designation as specified under "Marking" for the particular Recognition as published in the appropriate UL Directory. As a supplementary means of identifying products that have been produced under UL's Component Recognition Program, UL's Recognized Component Mark: ᴙ, may be used in conjunction with the required Recognized Marks. The Recognized Component Mark is required when specified in the UL Directory preceding the recognitions or under "Markings" for the individual recognitions.

Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. The final acceptance of the component is dependent upon its installation and use in complete equipment submitted to UL LLC.

Look for the UL Certification Mark on the product.

Bruce Mahrenholz, Director North American Certification Program

UL LLC

CERTIFICATE OF COMPLIANCE

Certificate Number 20160701-E322885
Report Reference E322885-20160630
Issue Date 2016-JULY-01

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Surge Protective Devices, Type 1 Component Assemblies used in Photovoltaic Systems only, SERIES: OVR T2, OVR T2-T3 20-275 P QS, OVR T2-T3 20-275 P TS QS, OVR T2 40-275 P QS, OVR T2 40-275 P TS QS, OVR T2 N 80-275 P QS, OVR T2-T3 1N 20-275 P QS, OVR T2-T3 1N 20-275 P TS QS, OVR T2-T3 1N 20-275 P BW QS, OVR T2-T3 1N 20-275 P TS BW QS, OVR T2 1N 40-275 P QS, OVR T2 1N 40-275 P TS QS, OVR T2 1N 40-275 P BW QS, OVR T2 1N 40-275 P TS BW QS, OVR T2-T3 N1 20-275 P QS, OVR T2-T3 N1 20-275 P TS QS, OVR T2-T3 N1 20-275 P BW QS, OVR T2-T3 N1 20-275 P TS BW QS, OVR T2 N1 40-275 P QS, OVR T2 N1 40-275 P TS QS, OVR T2 N1 40-275 P BW QS, OVR T2-T3 3N 20-275 P QS, OVR T2-T3 3N 20-275 P TS QS, OVR T2-T3 3N 20-275 P BW QS, OVR T2-T3 3N 20-275 P TS BW QS, OVR T2 3N 40-275 P QS, OVR T2 3N 40-275 P TS QS, OVR T2 3N 40-275 P BW QS, OVR T2 3N 40-275 P TS BW QS, OVR T2-T3 N3 20-275 P QS, OVR T2-T3 N3 20-275 P TS QS, OVR T2-T3 N3 20-275 P BW QS, OVR T2-T3 N3 20-275 P TS BW QS, OVR T2 N3 40-275 P QS, OVR T2 N3 40-275 P TS QS, OVR T2 N3 40-275 P BW QS, OVR T2 N3 40-275 P TS BW QS, OVR T2 N 80-275 C QS, OVR T2 40-275 C QS, OVR T2-T3 20-275 C QS.

Bruce Mahrenholz, Director North American Certification Program

UL LLC