



Network Rail

Parts and Documentation System

IRIS 
Certification


Link-up
17532

Weidmüller 

Weidmüller delivers solutions for the electrical connection, transmission and conditioning of energy, signals and data in the railway industry, from infrastructure to signalling and rolling stock.

With a standard portfolio containing 35,000 products and production plants and sales companies in more than 80 countries, we are not only represented worldwide; our local staff are always on hand to help advise you regarding our newest, innovative solutions for your industrial and rail connections. We are focused on adding value that is relevant to you - with applications portfolios that can help optimise your delivery, generate revenue and extract profits for the long term.

As the need for mobility grows, so do the demands placed on the various interior and exterior applications and components on railway networks. In addition, increasingly individualised, higher-performance interfaces are sought in the provision of innovative platform concepts for a whole variety of train categories. We can work with you to identify the best solutions to support these concepts, from our extensive range of solutions and product portfolios.

As a member of the VDB (German Rail Industry Association) and the ZVEI rail team (Central Association of the Electrotechnology and Electronics Industry), we are familiar with the demands placed on modern transport systems. Our partnerships within the rail industry over the years means we have proven capability to consistently deliver high-quality, custom solutions. These credentials played no small part in the German rail company Deutsche Bahn AG's move to rate us as a L1 supplier – acknowledging our production engineering standards and quality, as well as business acumen.

As well as this Weidmüller has been certified in accordance with the International Railway Industry Standard (IRIS) and the UK railway industry supplier qualification scheme, Link-up. Link-up provides a single common registration, qualification and audit process for suppliers that is shared by the UK rail industry.

We are well aware that the components used for transport technology are constantly exposed to extreme conditions. That's why our products are tested in our own accredited laboratory for particularly relevant criteria such as resistance to vibration, impacts and extreme temperatures, as well as durability and electromagnetic compatibility. To make sure we always deliver the highest quality products, each of our products is subject to strict quality assurance and fulfils the following international railway norms and standards:

General: DIN EN 50155, DIN EN 50343, NF F 61-017
Behaviour in fire: NF F 16-101, BS 6853, ASTM E 162
Resistance to impacts and vibration: IEC 61373/Ria 20

This PADS brochure shows a small portion of the overall Weidmüller portfolio that has or could be used in railway applications. If the product you have in mind is not listed, just contact us and one of our Industry Specialists will help you find your solution.

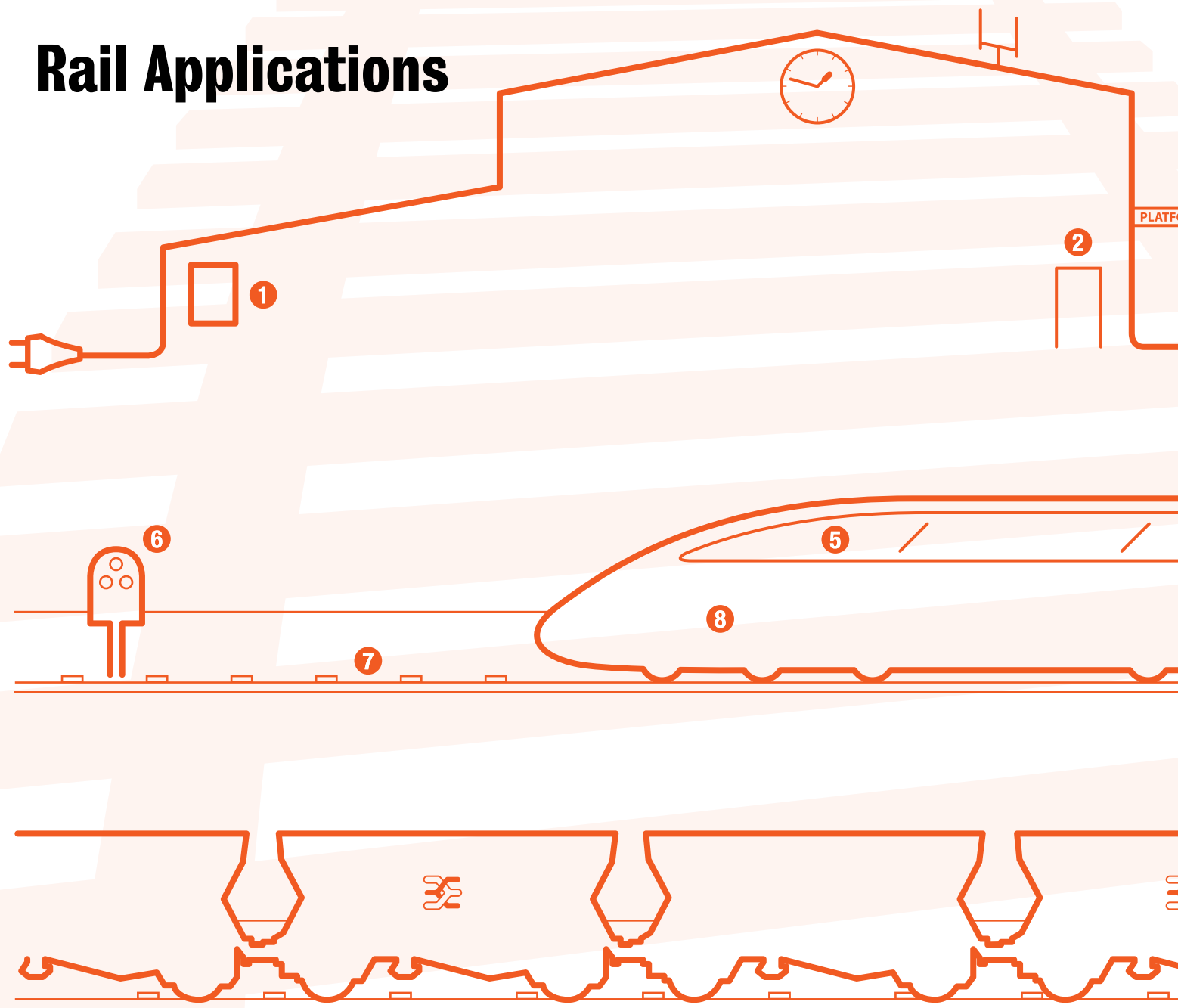


Contents Page

Rail Applications	4-5
Modular Terminals	6
SAK 2.5/35	7
SAK 2.5	7
SAK 4	8
SAK 6N	8
SAK 10	9
SAK 16	9
SAK 35N	10
SAK 32	11
SAK 40	11
SAK 54	12
EK 4	13
EK 16	13
RSF 1	14
RSF 3	14
SAK 4 S/L	15
SAKB 10	16
SAKA 10	16
SAKC 10	17
SAKR	17
SAKS1	18
SAKS3	18
SAKS2	19
SAKS3	19
SAKH 10	19
ST 5	20
STL 5	20
MK 3/12	21
BK 2...12	21
MK 4/16	22
MK 6...6	22
KS 2...10	23
MK 8/10	23
AKA 2.5	24
AKZ 4	25
WTL 6 SL/EN	26
Electronics Components	29
DKU 48 V	30
VSSC4 GDT 240VUC 2x10KA	32
RSSD 87mm	34
RSSD 70mm	34
PU II 2 R 280V/40kA	36
PU II 2 R 130V/40kA	36

Enclosures	37
K1 Enclosure	38
K2 Enclosure	38
K3 Enclosure	39
K4 Enclosure	39
K5 Enclosure	40
K6 Enclosure	40
K7 Enclosure	40
Accessories	41
Dekafix Markers	42
Multicard Markers	42
Ferrules	42
Fuses	43
Cable Strippers & Cutters	44
Stripax	45
KT 8	46
KT 12	46
KT 20	47
KTF 25	47
KTF 36	48
KT 45R	48
KT 55	48
KT 80	49
Product Portfolio	50
Certificates	51-53
Addresses Worldwide	54-55

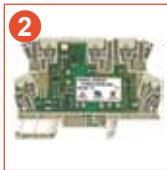
Rail Applications



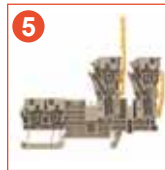
Weidmüller's Z series range features tension clamp technology. For a maintenance free, vibration-proof connection: the stainless steel spring is the screwless connection alternative for cross-sections up to 35mm². Available in standard and Roof Style versions for connection cross-sections from 0.05mm² to 35mm².



Our RockStar® HighPower Connectors provide an innovative product solution for pluggable power transmission. The RockStar® HighPower plug connector was designed in line with requirements as specified by DIN EN 61373 Cat 2 (bogie) HighPower Rated at 550A / 4000V.



Our space saving MCZR relay couplers feature tension clamp technology and ensure that signals in the control cabinet are switched reliably.



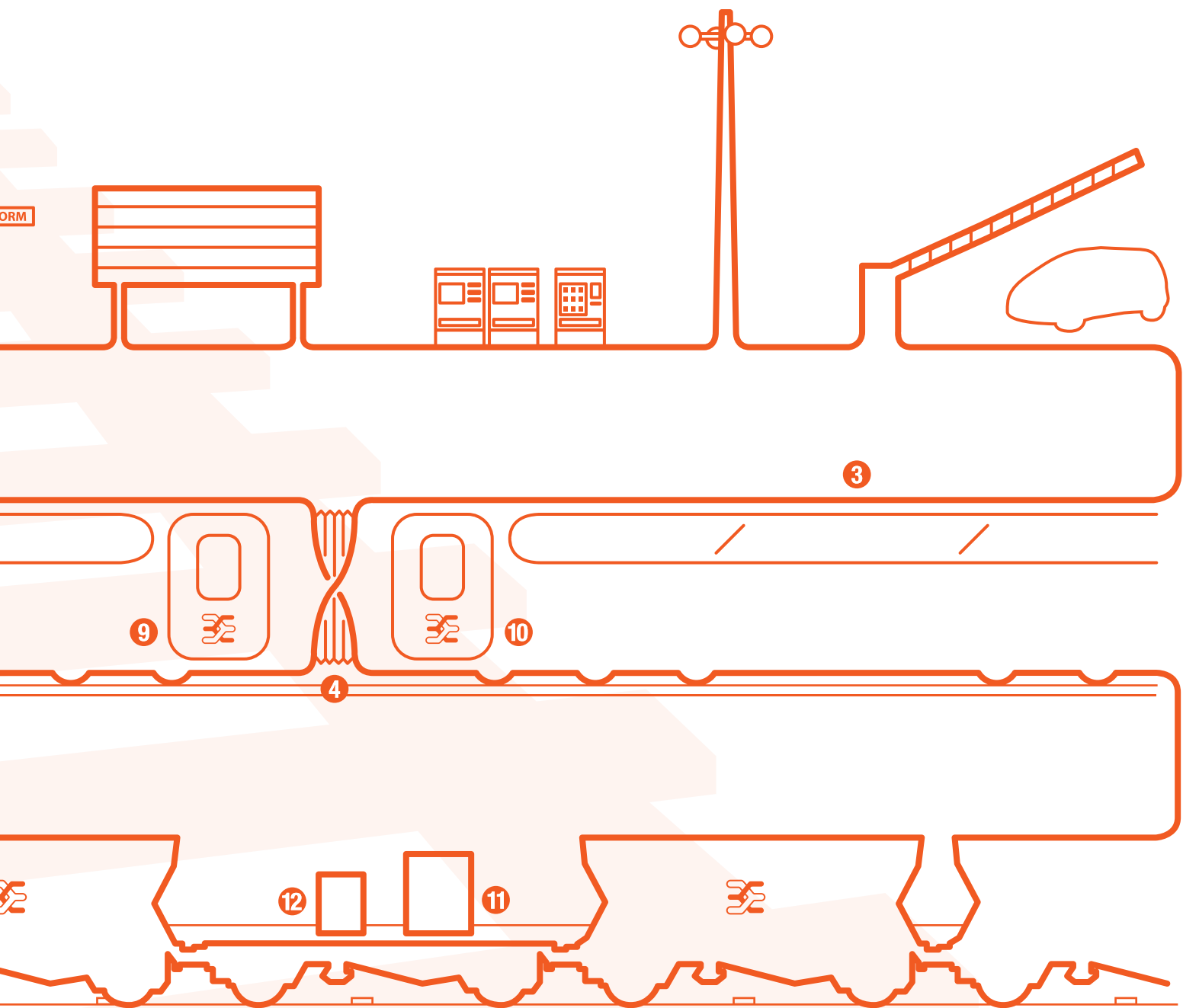
WeiCoS type plug-in connectors are used in the drivers' cab and door controls. A tension clamp contact guarantees a vibration proof connection.



For Saloon, Cab and Luggage lighting applications. Weidmüller pluggable PCB connectors offer flexible space-saving configurations, meeting rail material approvals.



Weidmüller's RSSD S/SUB-D interface units are Network Rail approved for applications such as interfacing electronic signalling systems to signalling equipment.



Weidmüller offers a complete range of specialist surge protection devices for data communications, power distribution and track circuit protection with the PU, DK and Varitector series.



Rail approved, M12, Radox sheathed Industrial Ethernet cables designed for rolling stock interlocking system applications provide a high degree of safety and reliability.



With the switchboard in the drivers' cab or nearby, high reliability, simple installation and quick maintenance are achieved using HDC Rockstar® and ConCept inserts.



WTL 6SL Spring Loaded Terminals have Network Rail approval for use in trackside cabinets and with a combination foot, can be used on both TS32 and TS35 DIN rail solutions.



Weidmüller has designed a special high-voltage transfer box to help with quick and easy on-site connections. The high voltage transfer box is fitted with extra large cable glands so that cables with attached cable lugs can easily be routed in. This allows the user on-site to quickly connect the pre-assembled cables to the ST-400 stud terminals in the housing.



Weidmüller's Application Specific Solutions team will work with you to develop custom solutions, from stainless steel enclosures through to terminal rails to aid your production.



Modular Terminals

SAK 2.5/35



Catalogue No.	PADS No.
0380420000	054 009267

SAK 2.5



Catalogue No.	PADS No.
0279620000	054 009302

Technical data

Rated data	
Width/length/height (mm) with TS 35 x 7.5	
Rated data according to IEC 60 947-7-1	
Rated impulse voltage/pollution severity	
Tightening torque range	Nm
Clampable conductor	
Solid H07V-U	mm²
Stranded H07V-R	mm²
Flexible H07V-K	mm²
Flexible H07V-K and ferrule	mm²
Rated data according to UL/CSA	
	UL
	CSA
Note	

6/45/40
800 V/24 A/2.5 mm²
8 kV/3
0.4...0.6
0.5...6
0.5...2.5
0.5...4
0.5...2.5
600 V/20 A/22...12 AWG
600 V/25 A/26...10 AWG

6/36.5/46.5
800 V/24 A/2.5 mm²
8 kV/3
0.4...0.6
0.5...6
0.5...2.5
0.5...4
0.5...2.5
600 V/20 A/22...12 AWG
600 V/25 A/26...10 AWG

Accessories

End Plate	
End plate (thickness mm)	
Partition	
Partition (thickness mm)	
Cross Connections	
QL2	
QL3	
QL4	
QL10	
VH 8	
Screw	
End Stop	
EW35	
Assembly Rail	
Assembly support rail	
Sliding fixing nut	
Marking systems	

	Catalogue No.	PADS No.
	0279520000	054 012773
	0302820000	-
QL2	0155900000	054 009064
QL3	0156000000	-
QL4	0156100000	-
QL10	0338100000	-
VH 8	0266700000	054 018216
Screw	0359000000	-
EW35	0383560000	086 011519
TS 35- 2 metre slotted	0514500000	-
TAS 20	0316400000	054 017303
SFNS5	0433500000	054 016890

	Catalogue No.	PADS No.
	0279520000	054 012773
	0302820000	-
QL2	0155900000	054 009064
QL3	0156000000	-
QL4	0156100000	-
QL10	0338100000	-
VH 8	0266700000	054 018216
Screw	0359000000	-
EW1	0206160000	086 099149
EW2	0199360000	054 010015
TS 32	0514500000	054 017300
TAS 20	0316400000	054 017303
SFNS5	0433500000	054 016890

SAK 4



Catalogue No.	PADS No.
0128320000	054 009313

Technical data

Rated data	
Width/length/height (mm) with TS 35 x 7.5	
Rated data according to IEC 60 947-1	
Rated impulse voltage/pollution severity	
Tightening torque range	Nm
Clampable conductor	
Solid H07V-U	mm ²
Stranded H07V-R	mm ²
Flexible H07V-K	mm ²
Flexible H07V-K and ferrule	mm ²
Rated data according to UL/CSA	
	UL
	CSA

Note

Accessories

End Plate	End plate (thickness mm)
Partition	Partition (thickness mm)
Cross Connections	
	Sleeve
	Screw
	End Stop
Assembly Rail	
	Assembly support rail
	Sliding fixing nut
Marking systems	

	Catalogue No.	PADS No.
1.5mm	117920000	054 018242
2.5mm	0130120000	-
QL2	0130600000	054 009034
QL3	0130700000	054 009048
QL4	0130800000	054 009015
QL10	0338200000	054 009049
VH 13.5	0248500000	054 018215
Screw	0303000000	054 018214
EW1	0206160000	086 099149
EW2	0199360000	054 010015
TS 32	0122800000	054 017300
TAS 20	0316400000	054 017303
SFNS5	0433500000	054 016890

SAK 6N

Catalogue No.	PADS No.
0193220000	054 009368

8/40/51.5
800 V/41 A/6 mm²
8 kV/3
0.8...1.6
0.5...10
0.5...6
0.5...10
0.5...6
600 V/40 A/22...8 AWG
600 V/47 A/20...8 AWG

	Catalogue No.	PADS No.
	0117920000	054 018242
	0130120000	-
QL2	0194300000	054 009228
QL3	0194400000	-
QL4	0194500000	-
QL10	0338300000	-
VH 13.5	0249000000	-
Screw	0303000000	054 018214
EW1	0206160000	086 099149
EW2	0199360000	054 010015
TS 32	0122800000	054 017300
TAS 20	0316400000	054 017303
SFNS5	0433500000	054 016890

SAK 10



Catalogue No.	PADS No.
0110020000	054 009330

10/40/51.5
800 V/57 A/10 mm ²
8 kV/3
1.2...2.0
1.5...10
2.5...16
1.5...10
1.5...10
600 V/60 A/14...6 AWG
600 V/65 A/14...6 AWG

	Catalogue No.	PADS No.
1.5mm	0117920000	054 018242
1.5mm	0130120000	487 080001
QL2	0470300000	054 009045
QL3	0470400000	054 009046
QL4	0470500000	054 009043
QL10	0470600000	054 009044
VH 13.5	0249000000	-
Screw	0303000000	054 018214
EW1	0206160000	086 099149
EW2	0199360000	054 010015
TS 32	0122800000	054 017300
TAS 20	0316400000	054 017303
SFNS5	0433500000	054 016890

SAK 10



Catalogue No.	PADS No.
01110060000	054 009286

10/40/51.5
800 V/57 A/10 mm ²
8 kV/3
1.2...2.0
1.5...10
2.5...16
1.5...10
1.5...10
600 V/60 A/14...6 AWG
600 V/65 A/14...6 AWG

	Catalogue No.	PADS No.
1.5mm	0117960000	054 018309
1.5mm	0130160000	-
QL2	0470300000	054 009045
QL3	0470400000	054 009046
QL4	0470500000	054 009043
QL10	0470600000	054 009044
VH 13.5	0249000000	-
Screw	0303000000	054 018214
EW1	0206160000	086 099149
EW2	0199360000	054 010015
TS 32	0122800000	054 017300
TAS 20	0316400000	054 017303
SFNS5	0433500000	054 016890

SAK 16



Catalogue No.	PADS No.
0271020000	054 009391

12 x 50 x 57.5
1000V/76A/16mm ²
8 kV/3
2.0...2.4
2.5...10
4...16
4...16
4...16
600V/80A/ AWG 12..6
6000V/87A/AWG10..6

	Catalogue No.	PADS No.
1.5mm	0271120000	054 018311
1.5mm	0281120000	-
QL2	0470700000	054 009041
QL3	0470800000	054 009039
QL4	0470900000	054 009038
QL10	0471000000	054 009042
VH 12	0249000000	054 018217
Screw	0303000000	054 018214
EW1	0206160000	086 099149
EW2	0199360000	054 010015
TS 32	0122800000	054 017300
TAS 20	0316400000	054 017303
SFNS5	0433500000	054 016890

SAK 35N



Catalogue No.	PADS No.
0550620000	054 009322

Technical data

Rated data		
Width/length/height (mm) with TS 35 x 7.5		16/58/67.5
Rated data according to IEC 60 947-7-1		1000 V/125 A/35 mm ²
Rated impulse voltage/pollution severity		8 kV/3
Tightening torque range	Nm	4.0...5.0
Clampable conductor		
Solid H07V-U	mm ²	2.5...16
Stranded H07V-R	mm ²	2.5...50
Flexible H07V-K	mm ²	2.5...35
Flexible H07V-K and ferrule	mm ²	2.5...35
Rated data according to UL/CSA		
	UL	600 V/100 A/12...2 AWG
	CSA	600 V/120 A/12...2 AWG
Note		

Accessories

End Plate		Catalogue No.	PADS No.
	End plate (thickness mm)	1.5mm	0303620000 054 018282
Partition			
	Partition (thickness mm)	1.5mm	0303420000 -
Cross Connections			
		QL2	0564900000 -
		QL3	0565000000 -
		QL4	0565100000 -
		QL10	0565200000 -
	Sleeve	VH 17	0267000000 054 018474
	Screw	Screw	0267100000 054 018199
	End Stop	EW1	0206160000 086 099149
		EW2	0199360000 054 010015
		SS Washer	0136400000 054 020082
Assembly Rail			
		TS 32	0122800000 054 017300
	Assembly support rail	TAS 20	0316400000 054 017303
	Sliding fixing nut	SFNS5	0433500000 054 016890
Marking systems			

SAKG 32



Catalogue No.	PADS No.
0170420000	054 009259

Technical data

Rated data	
Width/length/height (mm) with TS 35 x 7.5	
Rated data according to IEC 60 947-7-1	
Rated impulse voltage/pollution severity	
Tightening torque range	Nm
Clampable conductor	
Rated data according to UL/CSA	
	UL CSA
Note	

32/80/53
1000 V*/150 A/50 mm ²
8 kV/3
6...12
Conductor connection with cable lugs according to DIN 46234 and DIN 46235, from 10 .. 70 mm ²
600 V/200 A/3 AWG
600 V/170 A/1...2/0 AWG

SAKG 40



Catalogue No.	PADS No.
0170520000	054 019039

40 x 90 x 53
1000V/232A/95mm ²
8 kV/3
10...20 Nm
Conductor connection with cable lugs according to DIN 46234, from 10 .. 95 mm ²
600V/230A/AWG 1...4/0
600v/250A/AWG 2/0...4/0

Accessories

End Plate	
	Tropicalised EP
Partition	
	Tropicalised TW
Cover	
Cross-connections	
	End Stop
	EWK 2
	Locking Pin (1m) optional
Assembly Rail	
	Assembly support rail
	Sliding fixing nut
Marking systems	

	Catalogue No.	PADS No.
	0205200000	-
	0179900000	-
AH32	0326760000	054 012771
QL2	0194000000	-
QL3	0441500000	-
QL4	0441600000	-
EWK 1	0206160000	086 099149
EWK 2	0199360000	054 010015
SST3	0152700000	054 016903
TS 32	0122800000	054 017300
TAS 20	0316400000	054 017303
SFNS5	0433500000	054 016890

	Catalogue No.	PADS No.
	0205400000	-
	0179900000	-
AH40	0326860000	-
QL2	0194000000	-
QL3	0263500000	-
QL4	0409800000	-
EWK 1	0206160000	086 099149
EWK 2	0199360000	054 010015
SST3	0152700000	054 016903
TS 32	0122800000	054 017300
TAS 20	0316400000	054 017303
SFNS5	0433500000	054 016890

SAKG 54



Catalogue No.	PADS No.
0170720000	054 019161

Technical data

Rated data	
Width/length/height (mm) with TS 35 x 7.5	54 x 122 x 60.5
Rated data according to IEC 60 947-7-1	1000V/415A/240mm ²
Rated impulse voltage/pollution severity	8 kV/3
Tightening torque range	25...60 Nm
Clampable conductor	
Conductor connection with cable lugs according to DIN 46234 and DIN 46235, from 70 .. 240 mm ²	
Rated data according to UL/CSA	
	UL
	CSA
Note	

Accessories

End Plate		Catalogue No.	PADS No.
	Tropicalised EP	0205400000	-
Partition			
	Tropicalised TW	0179900000	-
Cover			
Cross-connections			
	QL2	0266400000	-
	QL3	0408000000	-
	QL4	0247400000	-
	EWK 1	0206160000	086 099149
	EWK 2	0199360000	054 010015
	SST3	0152700000	054 016903
Assembly Rail			
	TS 32	0122800000	054 017300
	TAS 20	0316400000	054 017303
	SFNS5	0433500000	054 016890
Marking systems			

EK 4



Catalogue No.	PADS No.
0354560000	487 080002

Technical data

Rated data	
Width/length/height (mm) with TS 32	
Rated data according to IEC 60 947-7-2	
Rated cross-section	mm ²
Rated voltage to adjacent terminal	v
Rated impulse withstand voltage to adjacent terminal	kV
Short-time withstand current	
Rated connection	
Solid / Stranded	
Flexible / Stranded wire with end ferrules	
Tightening torque range (clamping screw)	
Tightening torque range (fixing screw)	
Stripping length / Blade size	
Note	

8 x 40 x 51.5
4.00mm ²
800V
8
480 A (4 mm ²)
0.5...6 / 0.5...4
0.5...4 / 0.5...4
0.5...1.0 Nm (M 3)
0.5...1.0 Nm
12 / 0.6 x 3.5 mm

Accessories

Rail support

	Catalogue No.	PADS No.
SH2	0494920000	-

Marking systems

EK 16



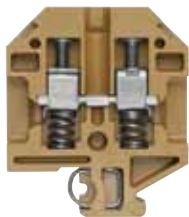
Catalogue No.	PADS No.
0354660000	487 080002

12 x 50 x 57.5
16.00mm ²
800
8
1920 A (16 mm ²)
2.5...16 / 2.5...16
2.5...16 / 4...16
0.5...1.0 Nm (M 3)
0.8...1.6 Nm
16 / 1.0 x 5.5 mm

	Catalogue No.	PADS No.
SH2	0494920000	-

Marking systems

RSF 1



Catalogue No.	PADS No.
0270320000	054 019794

Technical data

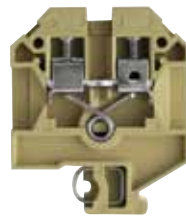
Rated data	
Width/length/height (mm) with TS 35 x 7.5	
Rated data according to IEC 60 947-1	
Rated impulse voltage/pollution severity	
Tightening torque range	Nm
Clampable conductor	
Solid H07V-U	mm ²
Stranded H07V-R	mm ²
Flexible H07V-K	mm ²
Flexible H07V-K and ferrule	mm ²
Rated data according to UL/CSA	
	UL
	CSA

Note

Accessories

End Plate	End plate (thickness mm)
Partition	Partition (thickness mm)
Cross Connections	
	Sleeve
	Screw
	SS washer
	End Stop
	Locking pin
Assembly Rail	
	Assembly support rail
	Sliding fixing nut
Marking systems	

RSF 3



Catalogue No.	PADS No.
0497560000	-

8 x 50 x 60
630V/32A/4mm ²
6/3
0.5...1.0 Nm
0.5...4
0.75...4
0.5...4
0.5...4
600V/20A/AWG 22...12
600V/25A/AWG 22...12

	Catalogue No.	PADS No.
	0270460000	-
	0474700000	054 017483
QL2	0194300000	054 009228
QL3	0194400000	-
QL4	0194500000	-
QL10	0338300000	-
VH 13.5	0248500000	054 018215
Screw	0303000000	054 018214
SS washer	0164400000	-
EWK 1	0206160000	086 099149
EWK 2	0199360000	054 010015
SST 3	0152700000	054 016903
TS 32	0122800000	054 017300
TAS 20	0316400000	054 017303
SFNS5	0433500000	054 016890

SAK 4 S/L



Catalogue No.	PADS No.
0516860000	054 019797

Technical data

Rated data	
Width/length/height (mm) with TS 35 x 7.5	6.5 x 40 x 51.5mm
Rated data according to IEC 60 947-7-1	630V/32A/4mm ²
Rated impulse voltage/pollution severity	6/3
Tightening torque range	0.5...1.0 Nm
Suitable Hook blade crimps	
0.25/1.65mm ²	AMP-154708
	TAKBRO FVAH 1.25
1.04/2.63mm ²	TAKBRO FVAH 2.00
	AMP 154724
Rated data according to UL/CSA	
	UL
	CSA
	-
	-
Note	

Accessories

End Plate		Catalogue No.	PADS No.
	End plate (thickness mm)	0117960000	054 018309
Partition			
	Partition (thickness mm)	0130160000	-
Cross Connections			
	QL2	0130600000	054 009034
	QL3	0130700000	054 009048
	QL4	0130800000	054 009015
	QL10	0338200000	054 009049
	VH 27	0248500000	054 018215
	Screw	0303000000	054 018214
	SS washer	captive on screw	-
	End Stop	EWK 1	0206160000
		EWK 2	0199360000
	Locking pin	SST 3	0152700000
Assembly Rail			
	TS 32	0122800000	054 017300
	Assembly support rail	TAS 20	0316400000
	Sliding fixing nut	SFNS5	0433500000
Marking systems			

SAKB 10



Catalogue No.	PADS No.
0134920000	054 009321

Technical data

Rated data	
Width/length/height (mm) with TS 35 x 7.5	
Rated data according to IEC 60 947-1	
Rated impulse voltage/pollution severity	
Tightening torque range	Nm
Clampable conductor	
Solid H07V-U	mm ²
Stranded H07V-R	mm ²
Flexible H07V-K	mm ²
Flexible H07V-K and ferrule	mm ²
Rated data according to UL/CSA	
	UL
	CSA

Note

Accessories

End Plate	End plate (thickness mm)
Partition	Partition (thickness mm)
Cross Connections	
	Screw
	Sleeve
	End Stop
	Locking pin
Assembly Rail	
	Assembly support rail
	Sliding fixing nut
Marking systems	

SAKA 10



Catalogue No.	PADS No.
0134120000	054 009337

12 x 82 x 55.
500V/47A/10.0mm ²
6/3
1.2...2.4 Nm
0.5...10
1.5...10
0.5...10
0.5...10
-
600V/45A/AWG 18...8

	Catalogue No.	PADS No.
3.0mm	0134220000	054 018245
3.0mm	0257120000	-
QL2	0135500000	054 009063
QL3	0135600000	054 009058
QL4	0135700000	054 009023
QL10	0338500000	054 009022
Screw	0267100000	054 018199
	0348700000	054 018472
EWK1	0206160000	086 099149
EWK2	0199360000	054 010015
SST 3	0152700000	054 016903
TS 32	0122800000	054 017300
TAS 20	0316400000	054 017303
SFNS5	0433500000	054 016899

SAKC 10



Catalogue No.	PADS No.
0324120000	054 009403

Technical data

Rated data	
Width/length/height (mm) with TS 35 x 7.5	
Rated data according to IEC 60 947-7-1	
Rated impulse voltage/pollution severity	
Tightening torque range	Nm
Clampable conductor	
Solid H07V-U	mm²
Stranded H07V-R	mm²
Flexible H07V-K	mm²
Flexible H07V-K and ferrule	mm²
Rated data according to UL/CSA	
UL	
CSA	
Note	

12 x 65 x 52.5
500V/26A/10.0mm²
6/3
1.2...2.4 Nm
0.5...10
1.5...10
0.5...10
0.5...10
600V/25A/AWG 22...8
600V/25A/AWG 20...10

Accessories

End Plate	
End plate (thickness mm)	
Partition	
Partition (thickness mm)	
Cross Connections	
QL2	
QL3	
QL4	
QL10	
Screw	
SS Washer	
Sleeve	
End Stop	
Locking pin	
Assembly Rail	
Assembly support rail	
Sliding fixing nut	
Spare Fuse cap	
Marking systems	

	Catalogue No.	PADS No.
3.0mm	0146710000	-
3.0mm	0242920000	-
QL2	0135500000	054 009063
QL3	0135600000	054 009058
QL4	0135700000	054 009023
QL10	0338500000	054 009022
Screw	0362800000	-
	0136400000	054 020082
VH 13.6	0299700000	-
EWK1	0206160000	086 099149
EWK2	0199360000	054 010015
SST 3	0152700000	054 016903
TS 32	0122800000	054 017300
TAS 20	0316400000	054 017303
SFNS5	0433500000	054 016890

SAKR



Catalogue No.	PADS No.
0412120000	054 019812

6.5 x 42 x 40.5
400V/10A/4.0mm²
6/3
0.5...1.0 Nm
0.5...4
1.5...4
0.5...4
0.5...2.5
300V/10A/AWG 22...12
300V/10A/AWG 22...12

	Catalogue No.	PADS No.
1.5mm	0211320000	-
1.0mm	0297100000	054 017474
QL2	-	-
QL3	-	-
QL4	-	-
QL10	-	-
Screw	-	-
VH	-	-
EWK1	0206160000	086 099149
EWK2	0199360000	054 010015
SST 3	0152700000	054 016903
TS 32	0122800000	054 017300
TAS 20	0316400000	054 017303
SFNS5	0433500000	054 016890

SAKS1



Catalogue No.	PADS No.
0191220000	054 077151

SAKS3



Catalogue No.	PADS No.
0211120000	054 077100

Technical data

Rated data	
Width/length/height (mm) with TS 32	
Rated data according to IEC 60 947-7-1	
Rated impulse voltage/pollution severity	
Tightening torque range	Nm
Clampable conductor	
Solid H07V-U	mm²
Stranded H07V-R	mm²
Flexible H07V-K	mm²
Flexible H07V-K and ferrule	mm²
Rated data according to UL/CSA	
	UL
	CSA

13 x 54 x 61
500V/10A/10.0mm²
6/3
1.2...2.4 Nm
0.5...16
1.5...10
0.5...10
0.5...10
600V/6.3A/AWG 22...10
600V/10A/AWG 26...10

13 x 54 x 61
500V/13A/10.0mm²
6/3
1.2...2.4 Nm
0.5...16
1.5...10
0.5...10
0.5...10
300V/10A/AWG 22...8
600V/10A/AWG 22...10

Note

Accessories

End Plate	
End plate (thickness mm)	
Partition	
Partition (thickness mm)	
Cross Connections	
QL2	
QL3	
QL4	
QL10	
Screw	
SS Washer	
Sleeve	
End Stop	
Locking pin	
Assembly Rail	
Assembly support rail	
Sliding fixing nut	
Spare Fuse cap	
Marking systems	

	Catalogue No.	PADS No.
3.0mm	0191320000	054 076796
1.0mm	0474700000	054 017483
QL2	0191400000	054 009033
QL3	0191500000	054 009032
QL4	0191600000	054 009030
QL10	0338800000	054 009037
Screw	0346200000	-
-	-	-
VH	-	-
EWK1	0206160000	086 099149
EWK2	0199360000	054 010015
SST 3	0152700000	054 016903
TS 32	0122800000	054 017300
TAS 20	0316400000	054 017303
SFNS5	0433500000	054 016890
FCS	0282000000	-

	Catalogue No.	PADS No.
3.0mm	0191320000	-
3.0mm	-	-
QL2	0191400000	054 009033
QL3	0191500000	054 009032
QL4	0191600000	054 009030
QL10	0338800000	054 009037
Screw	0346200000	-
-	-	-
VH	-	-
EWK1	0206160000	086 099149
EWK2	0199360000	054 010015
SST 3	0152700000	054 016903
TS 32	0122800000	054 017300
TAS 20	0316400000	054 017303
SFNS5	0433500000	054 016890
(Red)	0428810000	-

SAKS2



Catalogue No.	PADS No.
0206820000	055 051316

27.6 x 80 x 75
500V/10A/10.0mm ²
6/3
1.2...2.4 Nm
0.5...16
0.5...10
0.5...10
0.5...10
-
600V/25A/AWG 22...8

	Catalogue No.	PADS No.
3.0mm	-	-
1.00mm	-	-
QL2	0207800000	055 101036
QL3	0207900000	-
QL4	0208000000	-
QL10	0338900000	-
Screw	0103300000	-
	0136400000	054 020082
VH	-	-
EWK1	0206160000	086 099149
EWK2	0199360000	054 010015
SST 3	0152700000	054 016903
TS 32	0122800000	054 017300
TAS 20	0316400000	054 017303
SFNS5	0433500000	054 016890
(Red)	0284110000	-

Gauge Rings	Catalogue No.	PADS No.
P 16/10 RT SAKS2	0208900000	-
P 16/16 GR SAKS2	0209000000	-
P 16/20 BL SAKS2	0209100000	-
Fuses		
E 16/10A RT TNDZ	0208500000	054 077596
E 16/16A GR TNDZ	0208600000	054 077597
E 16/20A BL TNDZ	0208700000	054 077598
E 16/25A GE TNDZ	0208800000	054 077599

SAKS3



Catalogue No.	PADS No.
0248920000	054 009404

13 x 54 x 61
500V/10A/10.0mm ²
6/3
1.2...2.4 Nm
0.5...16
1.5...10
0.5...10
0.5...10
300V/10A/AWG 22...8
600V/10A/AWG 22...10

	Catalogue No.	PADS No.
	0191320000	-
	-	-
QL2	0191400000	054 009033
QL3	0191500000	054 009032
QL4	0191600000	054 009030
QL10	0338800000	054 009037
Screw	0346200000	-
	-	-
EWK1	0206160000	086 099149
EWK2	0199360000	054 010015
SST 3	0152700000	054 016903
TS 32	0122800000	054 017300
TAS 20	0316400000	054 017303
SFNS5	0433500000	054 016890
	0428910000	-



SAKH 10

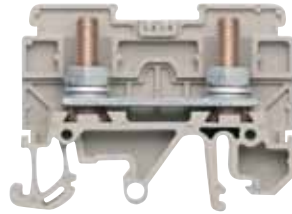


Catalogue No.	PADS No.
0126720000	054 009401

14/58/76.5
1500V/65A/10.0mm ²
-
-
2.5...10
2.5-10
2.5-10
-
-

	Catalogue No.	PADS No.
	0131720000	-
	-	-
QL2	0131400000	054 009062
QL3	0131500000	054 009057
QL4	0131600000	-
QL10	0338700000	-
Screw	0303000000	054 018214
	-	-
VH 13.5	0249000000	054 018217
EWK1	-	-
EWK2	0199360000	054 010015
SST 3	0152700000	054 016903
TS 32	0122800000	054 017300
TAS 20	0316400000	054 017303
SFNS5	0433500000	054 016890

ST 5



Catalogue No.	PADS No.
01448360000	054 019031

Technical data

Rated data	
Width/length/height (mm) with TS 32	
Rated data according to IEC 60 947-7-1	
Rated impulse voltage/pollution severity	
Tightening torque range	Nm
Clampable conductor	
Solid H07V-U	mm²
Stranded H07V-R	mm²
Flexible H07V-K	mm²
Flexible H07V-K and ferrule	mm²
Rated data according to UL/CSA	
UL	
CSA	

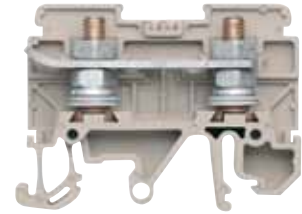
Note

Accessories

End Plate	
End plate (thickness mm)	
Partition	
Partition (thickness mm)	
Cross Connections	
QL2	
QL3	
QL4	
QL10	
Screw	
SS Washer	
Sleeve	
End Stop	
Locking pin	
Assembly Rail	
Assembly support rail	
Sliding fixing nut	
Spare Fuse cap	

Marking systems

STL 5



Catalogue No.	PADS No.
01448460000	054 019032

16.4/54.22/47.1	
800V/76A/16.0mm²	
8/3	
-	
-	
-	
-	
-	
-	
600V/65A/AWG 12...10	
-	

--	--

Catalogue No.		PADS No.
0447260000	054 012774	
-	-	
-	-	
QL2	3834300000	-
QL3	-	-
QL4	-	-
QL10	-	-
Screw	-	-
-	-	-
VH	-	-
EWK1	0206160000	086 009149
EWK2	0199360000	054 010015
SST 3	0152700000	054 016903
TS 32	0122800000	054 017300
TAS 20	0316400000	054 017303
SFNS5	0433500000	054 016890

--	--	--

--	--	--

MK 3/12



Catalogue No.	PADS No.
0243520000	054 009285

BK 2...12



Catalogue No.	PADS No.
see below	see below

Technical data

Rated data	
Width/length/height (mm) with TS 32	
Rated data according to IEC 60 947-7-1	
Rated impulse voltage/pollution severity	
Tightening torque range	Nm
Clampable conductor	
Solid H07V-U	mm²
Stranded H07V-R	mm²
Flexible H07V-K	mm²
Flexible H07V-K and ferrule	mm²
Rated data according to UL/CSA	
UL	
CSA	
Note	

15 x 16.1 / 3.45
400V/24A/2.5mm²
3/3
0.4...0.45 Nm
0.5...4
1.5...2.5
0.5...2.5
0.5...1.5
300V/25A/AWG 22...12
300V/25A/AWG 22...12

refer to order data
400V/32A/4.0mm²
6/3
0.5...0.6 Nm
0.5...4
1.5...4
0.5...4
0.5...4
300V/10A/AWG 22...12
300V/10A/AWG 22...12

Ordering data

2 pole
3 pole
4 pole
6 pole
12 pole

Catalogue No.	PADS No.

Catalogue No.	PADS No.
BK 2 CRN (20 mm)	0624720000 054 019067
BK 3 CRN (31 mm)	0624920000 054 019063
BK 4 CRN (38 mm)	0625120000 054 000112
BK 6 CRN (52 mm)	0625220000 054 009411
BK 12 CRN (92 mm)	0625320000 054 019110

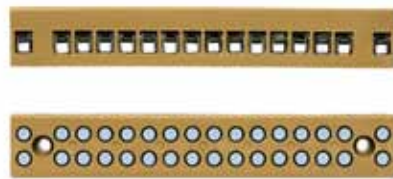
Accessories

Cover
2 pole
3 pole
4 pole
6 pole
Solder Strip
Marking strips, printed
Marking strips, unprinted
Plastic rivet
Marking systems

Catalogue No.	PADS No.
MF 2/12 1X2.8/1.6	0241760000 -
BSTB 28/12/6.35 U 1-12	0245700000 -
BSTB 28/12/6.35 O 1-12	0278500000 -
BSTO 28/12/6.35	0245600000 -

Catalogue No.	PADS No.
BSTB 28/2 BK U 1-2	0203600000 -
BSTB 28/4 BK U 1-4	0197300000 -
BSTB 28/6 BK U 1-6	0197500000 -
BSTB 28/12 BK U 1-12	0198800000 -
BSTO 28/2 BK	0203500000 -
BSTO 28/4 BK	0197200000 054 019142
BSTO 28/6 BK	0197400000 -
BSTO 28/12 BK	0198700000 054 019143
SN BK 2-12	0200100000 054 017463

MK4/16



Catalogue No.	PADS No.
0244220000	054 019752

MK 6...6



Catalogue No.	PADS No.
see below	see below

Technical data

Rated data			
Width/length/height (mm) with TS 32		17 x 16 x 103 mm	
Rated data according to IEC 60 947-7-1		400V/24A/2.5mm ²	
Rated impulse voltage/pollution severity		6/3	
Tightening torque range	Nm	0.4...0.45 Nm	
Clampable conductor			
Solid H07V-U	mm ²	0.5...4	
Stranded H07V-R	mm ²	1.5...2.5	
Flexible H07V-K	mm ²	0.5...2.5	
Flexible H07V-K and ferrule	mm ²	0.5...1.5	
Rated data according to UL/CSA			
	UL	150V/20A/AWG 22...12	
	CSA	150V/15A/AWG 22...12	
Note			

Ordering data

	Catalogue No.	PADS No.
2 pole		
3 pole		
4 pole		
6 pole		
12 pole		

Accessories

Cover	Catalogue No.	PADS No.
2 pole		
3 pole		
4 pole		
6 pole		
Solder Strip		
Marking strips, printed		
BSTB 28/16 MK U 1-16	0262200000	054 019759
BSTB 28/16 MK O 1-16	0278700000	
Marking strips, unprinted		
BSTO 28/16 MK 4/16	0262100000	
Plastic rivet		
Marking systems		

KS 2...10



Catalogue No.	PADS No.
see below	see below

refer to order data
500V/24A/2.5mm²
6/3
0.5...0.7 Nm

0.5...4
1.5...2.5
0.5...2.5
0.5...1.5

-
-

Technical data

Rated data

Width/length/height (mm)
Rated data
Solder pin length (mm)

Clampable conductor

Rated data according to UL/CSA

UL
CSA

Note

MK 8/10



Catalogue No.	PADS No.
0302660000	054 019118

160V/16A/1.5mm²
5.0

150V/15A/14AWG
150V/15A/14AWG

	Catalogue No.	PADS No.
KS 2 O.D2 (42 mm)	0134420000	054 009303
KS 4 O.D4 (66 mm)	0140320000	054 009305
KS 6 O.D6 (90 mm)	0140620000	054 009307
KS 10 O.D10 (138 mm)	0141620000	054 009308

	Catalogue No.	PADS No.
D2 KS2 TP	0134500000	054 012776
D4 KS4 TP	0140500000	054 012777
D6 KS6 TP	0140800000	054 012778
D10 KS10 TP	0141800000	054 012779

	Catalogue No.	PADS No.
ELSB 2 BEZ. 1-2	0143200000	
ELSB 4 BEZ. 1-4	0143300000	
ELSB 6 BEZ. 1-6	0143400000	
ELSB 10 BEZ. 1-10	0143500000	

	Catalogue No.	PADS No.
ELSO 2 F.KS 2	0142800000	
ELSO 4 F.KS 4	0142900000	
ELSO 6 F.KS 6	0143000000	
ELSO 10 F.KS 10	0143100000	

AKA 2.5



Catalogue No.	PADS No.
0300720000	054 009316

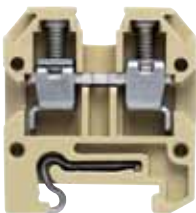
Technical data

Rated data		
Width/length/height (mm)		6 x 20 x 31
Rated data according to IEC 60 947-7-1		400V/20A/2.5mm ²
Rated impulse voltage/pollution severity		6/3
Tightening torque range	Nm	0.4...0.45 Nm
Clampable conductor		
Solid H07V-U	mm ²	0.5...2.5
Stranded H07V-R	mm ²	1.5...2.5
Flexible H07V-K	mm ²	0.5...2.5
Flexible H07V-K and ferrule	mm ²	0.5...1.5
Rated data according to UL/CSA		
	UL	300V/20A/AWG20...12
	CSA	300V/20A/AWG24...10
Note		

Accessories

End Plate	Catalogue No.	PADS No.
End plate (thickness mm)	1.5mm	0162520000 054 018218
Cross Connections		
Test Plug		
Disconnect lock		
End Stop		
Markers		

AKZ 4



Catalogue No.	PADS No.
0294360000	054 019796

Technical data

Rated data	
Width/length/height (mm) with TS 35 x 7.5	
Rated data according to IEC 60 947-7-1	
Rated impulse voltage/pollution severity	
Tightening torque range	Nm
Clampable conductor	
Solid H07V-U	mm ²
Stranded H07V-R	mm ²
Flexible H07V-K	mm ²
Flexible H07V-K and ferrule	mm ²
Rated data according to UL/CSA	
	UL
	CSA

Note

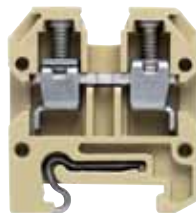
Accessories

End Plate	End plate (thickness mm)
Partition	Partition (thickness mm)
Cross Connections	
	Test plug
	Test socket
	End stop

Assembly Rail

Marking systems

AKZ 4



Catalogue No.	PADS No.
0294320000	054 009330

6.1 x 27 x 30.5
400V/32A/4.0mm²
6/3
0.6...0.8 Nm
0.5...6
1.5...4
0.5...4
0.5...2.5
300V/27A/AWG 22...12
300V/10A/AWG 24...12

© 2007 The Authors
Journal compilation © 2007 Blackwell Publishing Ltd

	Catalogue No.	PADS No.
1.5mm	0294420000	054 018284
0.5mm	0348220000	-
Q 2 AKZ4	0336400000	-
Q 3 AKZ4	0336500000	-
Q 4 AKZ4	0336600000	-
Q 10 AKZ4	0338600000	-
PS 2.3 RT	0180400000	-
STB 8.5/D4/2.3/M2.5	0215700000	-
EW 15	0382860000	054 010012

TS 15 slotted 2m length	0117500000	054 017301
-------------------------	------------	------------

WTL 6 SL/EN*



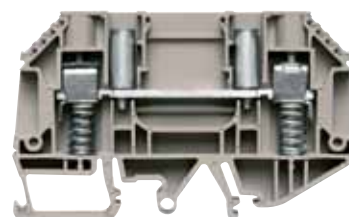
Catalogue No.	PADS No.
9538080000	086 011740

Technical data

Rated data	
Width/length/height (mm)	
Rated data	
Solder pin length (mm)	
Clampable conductor	
Solid H07V-U	mm²
Stranded H07V-R	mm²
Flexible H07V-K	mm²
Flexible H07V-K and ferrule	mm²
Rated data according to UL/CSA	
UL	
CSA	
Note	

7.9 x 82.7 x 50.4
500V/41A/6.0mm²
6/3
0.8...1.6 Nm
0.5...10
1.5...10
0.5...6
0.5...6
300V/45A/AWG 20...8
300V/45A/AWG 20...8

WTD 6 SL/EN*



Catalogue No.	PADS No.
9538100000	086 011741

7.9 x 82.7 x 50.4
500V/41A/6.0mm²
6/3
0.8...1.6 Nm
0.5...10
1.5...10
0.5...6
0.5...6
300V/45A/AWG 20...8
300V/45A/AWG 20...8

Accessories

End Plate	
End plate (thickness mm)	
Cross Connections	
Test Plug	
Disconnect lock	
End Stop	
Markers	

	Catalogue No.	PADS No.
Beige	9538110000	086 011742
Orange	1135170000	086 011743
QL 2 SAK6N	0194300000	054 009228
QL 3 SAK6N	0194400000	-
QL 4 SAK6N	0194500000	-
QL 10 SAK6N	0338300000	-
4mm	0299600000	086/011744
SSP 3	0531760000	086/011747
WEW 35/2	1061200000	086/011750
Marked 1-50	1609930000	086/011748
Marked 51-100	1609930000	086/011749

	Catalogue No.	PADS No.
Beige	9538110000	086 011742
Orange	1135170000	086 011743
QL 2 SAK6N	0194300000	054 009228
QL 3 SAK6N	0194400000	-
QL 4 SAK6N	0194500000	-
QL 10 SAK6N	0338300000	-
4mm	0299600000	086/011744
SSP 3	0531760000	086/011747
WEW 35/2	1061200000	086/011750
Marked 1-50	1609930000	086/011748
Marked 51-100	1609930000	086/011749

Flat blade receptacles, piggy-back
with copper sleeve

Ordering data

Type	Cross-section mm²	Colour	Dimensions	d2*	d3*D	Lb	wQ	ty.O	Order No.
LIF 1.5T638 R0	.5 - 1.5	I	6.3 x 0.8 mm6	.3	0.84	.0	20.8	10.07	.4 100 9200610000
LIF 2.5T638 R1	.5 - 2.5	I	6.3 x 0.8 mm6	.3	0.85	.8	20.8	10.07	.4 100 9200620000
LIF 6.0T638 R	4 - 6	I	6.3 x 0.8 mm6	.3	0.86	.8	23.8	13.07	.4 100 9200630000

* Certified Network Rail No PA05/02497.

For use as an alternative to 2BA terminal blocks for terminating railway signalling cable conductors up to 2.5mm² cross sectional area.

Certificate of Acceptance

Certificate No: PA05/02497

Issue: 1

Date: 17/07/2009

Effective date: 17/07/2009

Page 1 of 4

Product:	W-series Spring Loaded Terminal Blocks & Accessories
Manufacturer:	Weidmüller Ltd 1 Abbey Road Kings Hill West Malling Kent ME19 4YT

The product above is accepted for use on Network Rail infrastructure within the defined scope of acceptance and any specific conditions in the certificate. Failure to abide by the certificate requirements may lead to acceptance by Network Rail becoming invalid.

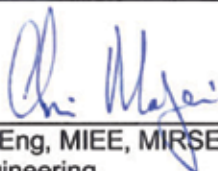
Scope of Acceptance

For use as an alternative to 2BA terminal blocks for terminating railway signalling cable conductors up to 2.5mm² cross sectional area.

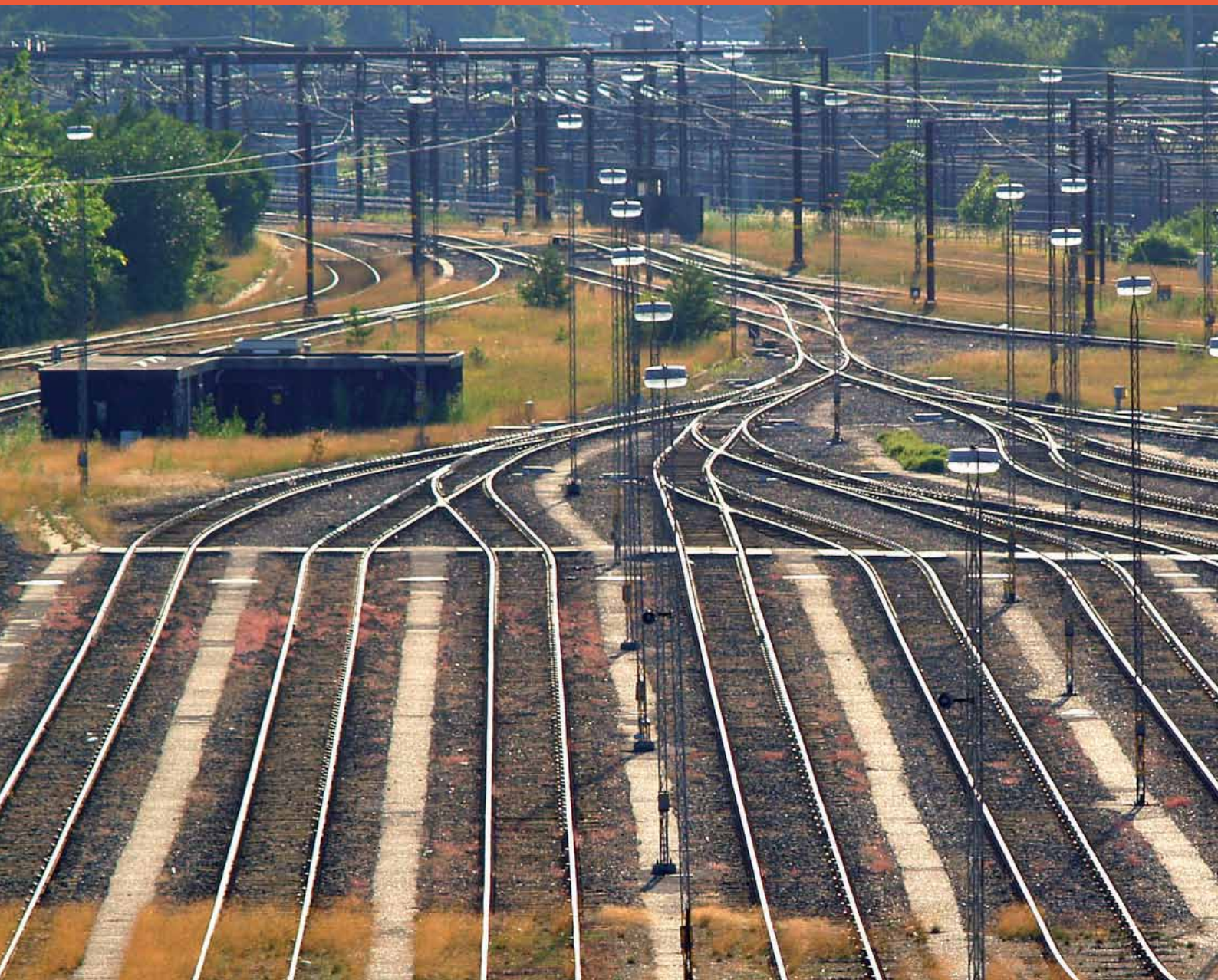
Specific Conditions:

Refer to the pages which follow for the product configuration and detailed conditions of use.

Authorised by:



Paul Mann BSc, CEng, MIEE, MIRSE
Head of Signal Engineering



Electronics Components

DKU 48 V *



Catalogue No.	PADS No.
9400540000	086 000627

Technical data

Rated data	
DC voltage	48 V
Volume resistance 1/3	-
Rated current per path	0.5 A
Inductance of 4-pole network Li	-
Capacitance of 4-pole network Ci	-
Source impedance frequency response at 50 Ω/-3 dB	-
T _ü at 0.1 A and 60°C ambient temperature, typical	< 15 K
Sparkover voltage of gas discharge tube at 1 kV/μs, typical	700 V
Interference voltage at output for 1 kV/μs at input, typical	700 V
Interference voltage at output for 8/20 μs and 2.5 kA at input, typical	800 V
max. leakage current to PE	1 μA
Ingress protection class	IP20
Circuit earthed for safety	-25°C ... +85°C
Operating temperature	-25°C ... +60°C
Circuit safety grounded	yes
Clamping point with self-locking screw	yes
Approval	II 2 G EEx ia IIC T6 or II 2 D T85°C IP6X
Registered design No.	TÜV 04 ATEX 2551 X

Connect the earth terminal to the equipotential bonding.

When using the surge protection component in areas at risk of dust explosion, provide a housing that complies with class of protection IP 6X at least (to EN 60529) and also satisfies the conditions of EN 50281-1-1 points 4, 8 and 9.

Note

Accessories

End Plate	Catalogue No.	PADS No.
AP DK4	039260000	-

* Certified Network Rail No PA05/04343

The EBI Track 200 Audio Frequency Track Circuit Style TI21 is accepted for use on Network Rail infrastructure.

This is a composite certificate amalgamating a number of earlier individual certificates and acceptances.

Issue 5 adds to the scope EBI Track 200 Digital Tx MOD 5, Ability to fit TU/ETU/SPETUs in 4ft, Weidmüller Surge Arrestor, B3 3000 Bond Installation Kits.

Certificate of Acceptance

Certificate No: PA05/04343

Issue: 5

Valid from: 20 June 2011

Page 1 of 37

Product: EBI Track 200 Audio Frequency Track Circuit Style TI21

Manufacturer: Bombardier Transportation UK Ltd
Estover Close
Estover
Plymouth
Devon
PL6 7PU

Network Rail Acceptance Panel (NRAP) hereby authorises the product above for use on railway infrastructure for which Network Rail is the Infrastructure Manager under the ROGS regulations.

Failure to abide by the requirements in this Certificate of Acceptance may invalidate the certificate, thereby restricting the right to operate the product and / or limiting the future supply and deployment of the product on the infrastructure.

This certificate can only be amended by Network Rail Engineering directorate. Any alterations made by a different person will invalidate the entire certificate.

Scope of Acceptance

The EBI Track 200 Audio Frequency Track Circuit Style TI21 is accepted for use on Network Rail infrastructure.

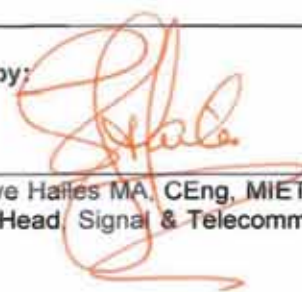
This is a composite certificate amalgamating a number of earlier individual certificates and acceptances.

Issue 5 adds to the scope EBI Track 200 Digital Tx MOD 5, Ability to fit TU/ETU/SPETUs in 4ft, Weidmuller Surge Arrestor, B3 3000 Bond Installation Kits.

Specific Conditions:

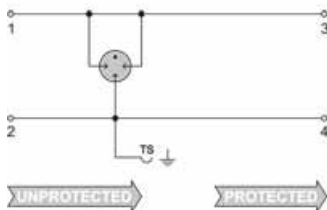
Refer to the pages which follow for the product configuration and detailed conditions of use.

Authorised by:



Eur. Ing. Steve Hales MA, CEng, MIET, FIRSE
Professional Head, Signal & Telecommunications Engineering

VSSC4 GDT 240VUC 2x10KA*



Technical data

Technical data		
Voltage Un 1,2:		240VAC/339VDC
Voltage Uc 1,2:		288VAC/407VDC
Voltage GND-PE: at 25°C:		None
Nominal Current, IN: at 25°C:		None
Resistance each path:		<0,10hm
Overload-failure Modus:		mode2
Capacitance:		2PF
Requirements class by IEC 61643-21:		C1,C2,C3,D1
Nom. Value of parts		
GDT:		600V
Cut-off frequency (-3dB/Load):		
Discharge current In. (8/20µs):	wire-wire/wire-PE/GND-PE	None/5KA/None
Discharge current Imax (8/20µs):	wire-wire/wire-PE/GND-PE	None/10KA/None
Discharge current I Total. (8/20µs):		20kA
Protection Level at In:	wire-wire/wire-PE/GND-PE	1000V
Protection Level at 1KV/us:	wire-wire/wire-PE/GND-PE	1000V
Response time ta:	wire-wire/wire-PE/GND-PE	None/100ns/None
Discharge current limp. (10/350µs):		1.25KA
Combined wave Uoc:		4KV
Housing, degree of protection:		IP20
Colour:		black, V0
Connection:		screw Torx/Slot
Storage temperature:		-40°C ... +80°C
Operating temperature:		-40°C ... +70°C
Humidity:		5% ... 96% RH
Dimensions		
Clamping range Solid/stranded		0.5 ... 6mm² / 0.5 ... 4mm²
Length x Width x Height	mm	76 x 12.4 x 58.5
Note		

Ordering data

Version	Type	Catalogue No.	PADS No.
	VSSC4 GDT 240VUC 2x10KA	1307880000	086000042
Note			

Accessories

Note	
	End plate AP VSSC4: 1063120000

* Certified Network Rail No PA05/04343.

The EBI Track 200 Audio Frequency Circuit is accepted for use on Network Rail infrastructure. This is a composite certificate amalgamating a number of earlier certificates and acceptances. Issue 6 adds to the scope. Gain restriction rules in electrified territory, a logging / RCM constraint has been added to the Digital Receiver, Longer pair of rail connection cables for ETUs/SPETUs, Black 2BA terminal blocks added for use in TUs, ETUs, SPETUs and LMU-TUs, TCU at MOD 1. Weidmuller Surge Arrestor with centre Earth Tap, New B3 3000 Bond Covers, PSU Fusing rules clarified. New PC Application used to read the Digital Rx log files, Various general textual clarification and updates.

Certificate of Acceptance

Certificate No: PA05/04343

Issue: 6

Valid from: 02-Mar-12

Page 1 of 46

Product:	EBI Track 200 Audio Frequency Track Circuit
Manufacturer:	Bombardier Transportation UK Ltd Estover Close Estover Plymouth Devon PL6 7PU

Network Rail Acceptance Panel (NRAP) hereby authorises the product above for use on railway infrastructure for which Network Rail is the Infrastructure Manager under the ROGS regulations.

Failure to abide by the requirements in this Certificate of Acceptance may invalidate the certificate, thereby restricting the right to operate the product and / or limiting the future supply and deployment of the product on the infrastructure.

This certificate can only be amended by Network Rail Engineering directorate. Any alterations made by a different person will invalidate the entire certificate.

Scope of Acceptance

The EBI Track 200 Audio Frequency Track Circuit is accepted for use on Network Rail infrastructure.

This is a composite certificate amalgamating a number of earlier individual certificates and acceptances.

Issue 6 adds to the scope

Gain restriction rules in electrified territory, a logging / RCM constraint has been added to the Digital Receiver, Longer pair of rail connection cables for ETUs/SPETUs, Black 2BA terminal blocks added for use in TUs, ETUs, SPETUs and LMU-TUs, TCU at MOD 1, Weidmuller Surge Arrestor with centre Earth Tap, New B3 3000 Bond Covers, PSU Fusing rules clarified
New PC Application used to read the Digital Rx log files, Various general textual clarification and updates.

Specific Conditions:

Refer to the pages which follow for the product configuration and detailed conditions of use.

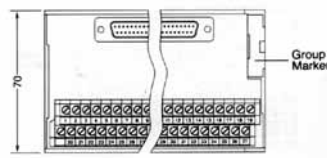
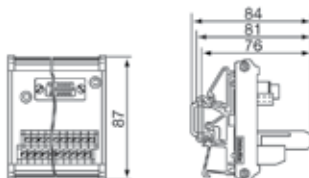
Authorised by:



Edward C. Rollings MSc, CEng, MIET, FIRSE
Professional Head, Signals & Telecommunications

RSSD - 87mm wide - SUB D rail mounted Interfaces *

RSSD - 70mm wide - SUB D rail mounted Interfaces *



Technical data

Connection data	
Stripping length	mm
Connection on control side	
Rated Data	
Conversion PCB/plug connector	
Rated voltage	
Rated Current per connection	A
Test voltage (-eff)	kV
Test torque	Nm
Storage temperature	
Ambient temperature (operational)	
Terminal rail	
Note	

PCB terminal LP2N
7.0mm
D-SUB acc. IEC 807-2
1:1
125VAC/150VDC
1.5
0.6
0.05
-40°C ... +70°C
0°C ... +55°C
TS32, TS 35

PCB terminal LP2N
7.0mm
D-SUB acc. IEC 807-2
1:1
125VAC/150VDC
1.5
0.6
0.05
-40°C ... +70°C
0°C ... +55°C
TS32, TS 35

Ordering data

Types
Male Connectors 9 pole RS SD9S UNC 4.40 LP2N
Male Connectors 15 pole RS SD 15S 4.40
Male Connectors 25 pole RS SD25S UNC 4.40 LP2N
Male Connectors 37 pole RS SD37S UNC 4.40 LP2N
Male Connectors 50 pole RS SD50S UNC 4.40 LP2N
Female Connectors 9 pole RS SD9B UNC 4.40 LP2N
Female Connectors 15 pole RS SD15B UNC 4.40 LP2N
Female Connectors 25 pole RS SD25B UNC 4.40 LP2N
Female Connectors 37 pole RS SD37B UNC 4.40 LP2N
Female Connectors 50 pole RS SD50B UNC 4.40 LP2N

Width	Catalogue No.	PADS No.
45.5mm	8003901001	086/023200
60.0mm	8005201001	086/023201
80.0mm	8005181001	086/023202
110.0mm	8003881001	086/023203
154.0mm	8005161001	086/023204
45.0mm	8003911001	086/023205
60.0mm	8005211001	086/023206
80.0mm	8005191001	086/023207
110.0mm	8003891001	086/023208
154.0mm	8005171001	086/023209

Width	Catalogue No.	PADS No.
45.5mm	6265990000	086/023210
80.0mm	6266010000	086/023211
110.0mm	6266020000	086/023252
45.0mm	6266060000	086/023212
60.0mm	6266070000	086/023213
80.0mm	6266080000	086/023214
110.0mm	6266090000	086/023251

Ordering data note:

Please note these 70mm versions are only available through RS Components - a cross reference to their part is listed below:

Catalogue No.	PADS No.	RS Components
6265990000	086/023210	403-364
6266010000	086/023211	425-106
6266020000	086/023252	403-409
6266060000	086/023212	403-370
6266070000	086/023213	403-392
6266080000	086/023214	425-112
6266090000	086/023251	403-415

* **Certified Network Rail No PA05/04689.**

Accepted for use to interface electronic signalling systems to signalling equipment (e.g. TDM system to relay interlocking installation or PMUX system to signalling panel).

Certificate of Acceptance

Certificate No: PA05/04689

Issue: 1

Date: 25/06/2010

Effective date: 25/06/2010

Page 1 of 5

Product: SUB-D DIN Rail Mounting Interface Units
With Screw Locking System UNC 4/40.

Manufacturer: Weidmuller
1 Abbey Wood Road
Kings Hill
West Malling
Kent
ME19 4Y

The product above is accepted for use on railway infrastructure for which Network Rail is the Duty Holder (as per the ROGS regulations) within the defined Scope of Acceptance and any specific conditions in the certificate. Where the product is to be used as part of infrastructure for which NR is not the duty holder (e.g. Leased station), this certificate may be taken as evidence that the product is compatible with NR infrastructure (within the Scope of Acceptance), however it shall not absolve the sponsor from complying with any product acceptance requirements of that duty holder before committing that product to use.

Failure to abide by the certificate requirements may lead to acceptance by Network Rail becoming invalid.

Scope of Acceptance

Accepted for use to interface electronic signalling systems to signalling equipment (e.g. TDM system to relay interlocking installation or PMUX system to signalling panel).

Specific Conditions:

Refer to the pages which follow for the product configuration and detailed conditions of use.

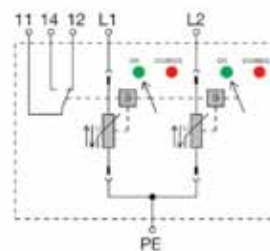
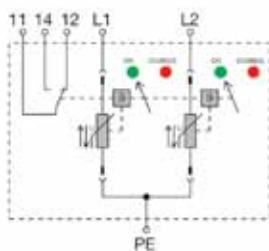
Authorised by:


Eur. Ing. Steve Hailes MA, CEng, MIET, FIRSE
Professional Head, Signal & Telecommunications


JOHN ALEXANDER
02/07/2010

PU II 2 R 280V/40kA

PU II 2 R 130V/40kA



Technical data

AC/DC/UC	AC	AC
Cross-section	25 mm ²	25 mm ²
Max. discharge surge current per path 8/20 μs (N-PE)	40 kA	40 kA
Protection level at In (Up)	< 1450 V	< 850 V
Rated voltage (AC)	230 V	130 V
Max. continuous voltage, Uc (DC)	350 V	130 V
Requirements class, acc. to IEC 61643-1	Class II, Class III	Class II, Class III
Requirements class, acc. to EN 61643-11	T2, T3	T2, T3
Discharge current, nominal, per path, (8/20 μs)	20 kA	20 kA
Sparkover time / Drop-out time	≤ 25 ns	≤ 25 ns
Temporary surge voltage (over-voltage) - TOV	335 V	150 V
Colour	Black, Arrester red	Arrester red, Black
Limiting discharge current (8/20 μs) I _{max}	40 kA	40 kA
Protection level at 5kA (Up)	< 850 V	< 500 V
Rated discharge current (8/20 μs) I _N	20 kA	20 kA
Rated Voltage	-	120 V
Max. continuous voltage, Uc (AC)	280 V	170 V
Highest continuous current AC	280 V	130 V
Combined pulse U _{oc}	6 kVt	6 kV
Discharge current, max. (8/20 μs)	75 kA	75 kA
Fusing	125 A gL	125 A gL
Signalling contact	250 V 1A 1CO	250 V 1A 1CO
Connection Data		
Stripping length, rated connection	15 mm	15 mm
Wire connection cross section, stranded, rated connection, max.	25 mm ²	25 mm ²
Clamping range, rated connection	25 mm ²	25 mm ²
Clamping range, rated connection, max.	16 mm ²	16 mm ²
Tightening torque, max.	3 Nm	3 Nm
Wire connection cross section, finely stranded, max.	25 mm ²	25 mm ²
Wire connection cross section, stranded, rated connection, min.	4 mm ²	4 mm ²
Clamping range, rated connection, min.	4 mm ²	4 mm ²
Tightening torque, min.	2.5 Nm	2.5 Nm
Dimensions / Signalling contact info		
Length	97 mm	97 mm
Height	64 mm	64 mm
Width	36 mm	36 mm
Note		

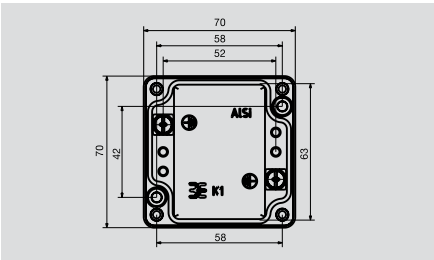
Ordering data

Type	Catalogue No.	PADS No.	Type	Catalogue No.	PADS No.
PU II 2 R 280V/40kA	8859670000	-	PU II 2 R 130V/40kA	8859980000	-
Note					



Enclosures

K1 enclosure



Catalogue No.	PADS No.
0342000000	054 010106

Technical data

Rated data	
Width/length/height (mm)	mm
Weight	g
Material High-quality aluminium alloy (Al-Si12)	
Gasket Chloroprene CR (Silicone optional)	
Cover fastener captive stainless steel slotted/crosshead screws	
Protection class	IP 66, IP 67 and IP 68
Impact resistance	10 J
Temperature range	-40°C to +80°C
Note	

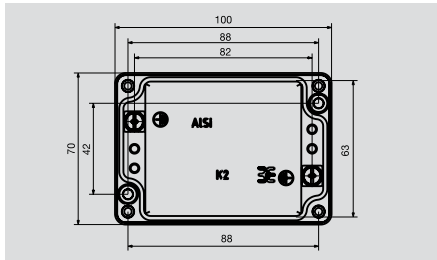
70 x 70 x 45
220
IP 66, IP 67 and IP 68
10 J
-40°C to +80°C

Accessories

Terminal rail, set
Earth bar set
Mounting plate
Hinges
Mounting feet

Catalogue No.	PADS No.
1909980000	-
1905280000	-

K2 enclosure

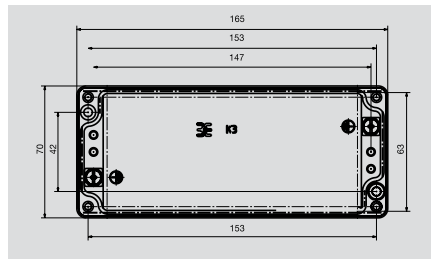


Catalogue No.	PADS No.
0342100000	054 010110

70 x 100 x 45
280
IP 66, IP 67 and IP 68
10 J
-40°C to +80°C

Catalogue No.	PADS No.
1910010000	-
1905270000	-

K3 enclosure



Catalogue No.	PADS No.
0342200000	054 010111

Technical data

Rated data	
Width/length/height (mm)	mm
Weight	g
Material	High-quality aluminium alloy (Al-Si12)
Gasket	Chloroprene CR (Silicone optional)
Cover fastener	captive stainless steel slotted/crosshead screws
Protection class	
Impact resistance	
Temperature range	
Note	

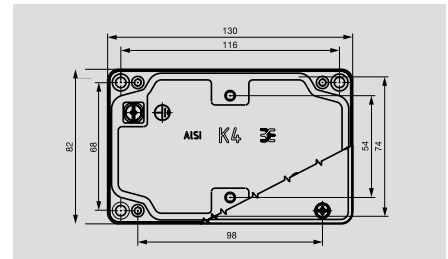
70 x 165 x 45
400
IP 66, IP 67 and IP 68
10 J
-40°C to +80°C

Accessories

Terminal rail, set
Earth bar set
Mounting plate
Hinges
Mounting feet

Catalogue No.	PADS No.
1910030000	-
1898210000	-

K4 enclosure

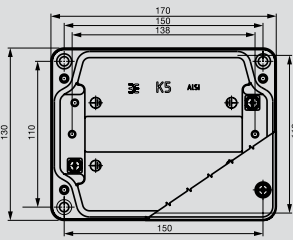


Catalogue No.	PADS No.
0342300000	054 010108

82 x 130 x 72
620
IP 66, IP 67 and IP 68
10 J
-40°C to +80°C

Catalogue No.	PADS No.
1910060000	-
3073060000	-
Die cast aluminium	1580360000
	-

K5 enclosure



Catalogue No.	PADS No.
0342400000	054 010109

130 x 170 x 90
1540

IP 66, IP 67 and IP 68
10 J
-40°C to +80°C

Catalogue No.	PADS No.
1910080000	-

3073080000

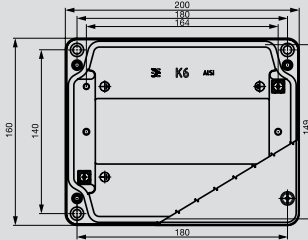
Die cast aluminium

1580360000

set of 4

9582908000

K6 enclosure



Catalogue No.	PADS No.
0342500000	054 002562

160 x 200 x 100
2000

IP 66, IP 67 and IP 68
10 J
-40°C to +80°C

Catalogue No.	PADS No.
-	-

9525020000

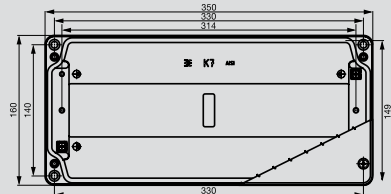
Die cast aluminium

3073110000

set of 4

9582908000

K7 enclosure



Catalogue No.	PADS No.
0342600000	054 010122

160 x 350 x 100
2870

IP 66, IP 67 and IP 68
10 J
-40°C to +80°C

Catalogue No.	PADS No.
1910130000	-

9525030000

9525030000

Die cast aluminium

3073130000

set of 4

9582908000



Accessories

Dekafix Markers

	Catalogue No.	PADS No.
HORIZONTAL PRINT, MARKED 1-50, DEK5FW 5 WIDE	0473460001	054 115840
HORIZONTAL PRINT, MARKED 51-100, DEK5FW 5 WIDE	0473460051	054 115841
HORIZONTAL PRINT, MARKED 101-150, DEK5FW 5 WIDE	0473460101	054 115842
HORIZONTAL PRINT, MARKED 151-200, DEK5FW 5 WIDE	0473460151	054 115843
HORIZONTAL PRINT, MARKED 201-250, DEK5FW 5 WIDE	0473460201	054 115844
HORIZONTAL PRINT, MARKED 251-300, DEK5FW 5 WIDE	0473460251	054 115846
HORIZONTAL PRINT, MARKED 301-350, DEK5FW 5 WIDE	0473460301	054 115847
HORIZONTAL PRINT, MARKED 351-400, DEK5FW	0473460351	054 115848
HORIZONTAL PRINT, NUMBERED 1-10, DEK5FWZ 5 WIDE	0523060001	054 115850
HORIZONTAL PRINT, NUMBERED 11-20, DEK5FWZ	0523060011	054 115851
HORIZONTAL PRINT, NUMBERED 21-30, DEK5FWZ	0523060021	054 115852
HORIZONTAL PRINT, NUMBERED 31-40, DEK5FWZ	0523060031	054 115853
HORIZONTAL PRINT, NUMBERED 41-50, DEK5FWZ	0523060041	054 115854
HORIZONTAL PRINT, NUMBERED 51-60, DEK5FWZ	0523060051	054 115855
HORIZONTAL PRINT, NUMBERED 61-70, DEK5FWZ 5	0523060061	054 115856
HORIZONTAL PRINT, NUMBERED 71-80, DEK5FWZ	0523060071	054 115857
HORIZONTAL PRINT, NUMBERED 81-90, DEK5FWZ 5	0523060081	054 115858
HORIZONTAL PRINT, NUMBERED 91-100, DEK5FWZ 5	0523060091	054 115859



Catalogue No.	PADS No.
-	see below

For conductors 0.25-185mm² (AWG 24-350MCM)

Material: tin-plated copper

Dimensional tolerances to DIN 46228 part 1



Multicard Markers

	Catalogue No.	PADS No.
1-50 (FS)/ MULTICARD MARKERS 1-50 (WHITE)	1609930000	086 011748
51-100 (FS)/ MULTICARD MARKERS 51-100 (WHITE)	1609930000	086 011749

	Catalogue No.	PADS No.
H1.5/10	0186500000	054 013231
H2.5/12	0186100000	054 013230
H4.0/12	0244100000	054 013233



Fuses



Technical data

5 x 20mm G type non indicating

Quick blow	Catalogue No.	PADS No.
0.1A	0430300000	-
0.2A	0430400000	-
0.25A	0430500000	-
0.5A	0430600000	-
0.63A	0439000000	-
1.0A	0430700000	-
1.6A	0430800000	-
2.0A	0430900000	054 106802
2.5A	0431000000	-
3.15A	0431100000	-
4.0A	0431200000	054 075593
5.0A	0431300000	054 075591
6.3A	0431400000	-

5 x 20mm G type indicating

M = medium blow F = fast blow	Catalogue No.	PADS No.
0.25A M	0546900000	-
0.5A M	0510300000	-
0.8A M	0646400000	-
1.0A M	0265800000	-
2.0A F	0192700000	-
4.0A F	0192800000	-
6.3A F	0192900000	-
10.0A M	0193100000	-

1 1/4" X 1/4" BS 88 Fuses

M = medium blow F = fast blow	Catalogue No.	PADS No.
0.5A F	0533800000	-
1.0A F	0522500000	-
2.0A M	0294500000	no number
3.0A M	0295700000	-
5.0A M	0294600000	054 081587
7.0A M	0295800000	054 081588
10.0A M	0293900000	no number
10.0A M		

D type cartridge fuses E16 with indicators (Diazed)

		Catalogue No.	PADS No.
10A	E16/10A RT	0208500000	054 077596
16A	E16/16A GR	0208600000	054 077597
20A	E16/20A BL	0208700000	054 077598
25A	E16/25A GE	0208800000	054 077599

D type cartridge fuses E14 with indicators (Diazed)

		Catalogue No.	PADS No.
2.0A	E14/2A RS	0137400000	-
4.0A	E14/4A BR	0137500000	-
6.0A	E14/6A GN	0328300000	-
10.0A	E14/10A RT	0328400000	-
16.0A	E14/16A GR	0328500000	-

D type cartridge fuses E18 with indicators (Diazed)

		Catalogue No.	PADS No.
20.0A	E18/20A BL	0316300000	-
25.0A	E18/25A GE	0316400000	-
35.0A	E18/35A SW	0316500000	054 077620
50.0A	E18/50A WS	0316600000	054 077621
63.0A	E18/63A KU	0316700000	054 077521



Cable Strippers & Cutters

Stripax®



Catalogue No.	PADS No.
900500000	086 003052

Technical data

Rated data	
Length	mm190
Weight	g155
• Stripping: PVC insulated flexible conductor, size 0.08...6 mm² (~AWG 28...10). • Cutting: PVC insulated flexible conductor, size 0.08...6 mm² (~AWG 28...10). • No damaging of the conductor due to special, self-adjustable stripping blades. • Processing of multi-conductors, with thin flat ribbon cables and even multiple conductors in one operation.	

Note

Accessories

Spare stripping blades	Catalogue No.	PADS No.
	9054030000	086 011901
Cleaning brush		
	9005450000	086 011902

KT 8



Catalogue No.	PADS No.
9002650000	-

Technical data

Max. cutting performance, copper cable	
Solid (max. conductor cross section)	mm ² /-
Stranded (max. conductor cross section)	mm ² /-
Flexible (max. conductor cross-section)	mm ² /-
Flexible, stranded (max. conductor diameter)	mm
Max. cutting performance, aluminium cable	
Stranded (max. conductor cross-section)	mm ² /kcmil
Stranded (max. conductor diameter)	mm
Aluminium sector cable	
Data / telephone / control cable	
Max. outer diameter	mm
Tool data	
Length / Width / Height (tool closed)	mm
Weight	g

16 / 6
16 / 6
16 / 6
8
16 / 6
8
16
8
165 / 65 / 25
180

Not suitable for steel wires, steel-armoured cables, aluminium alloys and hard-drawn copper conductors

KT 12



Catalogue No.	PADS No.
9002660000	-

16 / 6
25 / 3
35 / 2
12
400 / 800
45
25
12
215 / 66 / 28
300

Not suitable for steel wires, steel-armoured cables, aluminium alloys and hard-drawn copper conductors

Note

KT 20



Catalogue No.	PADS No.
9002300000	-

KTF 25



Catalogue No.	PADS No.
9002180000	-

Technical data

Max. cutting performance, copper cable	
Stranded (max. conductor cross section)	mm ² /kcmil
Flexible (max. conductor cross-section)	mm ² /kcmil
Flexible, stranded (max. conductor diameter)	mm
Copper sector cable	
Max. cutting performance, aluminium cable	
Stranded (max. conductor cross-section)	mm ² /kcmil
Stranded (max. conductor diameter)	mm
Aluminium sector cable	
Data / telephone / control cable	
Max. outer diameter	mm
Tool data	
Length / Width / Height (tool closed)	mm
Weight	g

16 / 6
35 / 2
70 / 2/0
20
70 / 2/0
20
35
20
215 / 66 / 29
400

120 / 250
120 / 250
25
150 / 300
25
25
245 / 80 / 40
900

Note

Not suitable for steel wires, steel-armoured cables, aluminium alloys and hard-drawn copper conductors

Not suitable for steel wires, steel-armoured cables, aluminium alloys and hard-drawn copper conductors

KTF 36



Catalogue No.	PADS No.
9002190000	-

300 / 600
300 / 600
35
300 / 600
35
330 / 100 / 49
1400

Not suitable for steel wires, steel-armoured cables, aluminium alloys and hard-drawn copper conductors

KT 45R



Catalogue No.	PADS No.
9202040000	-

300 / 600
400 / 800
45
3 x 70 SM
400 / 800
45
4 x 70 SE
45
290 / 40 / 85
740

Not suitable for steel wires, steel-armoured cables, aluminium alloys and hard-drawn copper conductors

KT 55



Catalogue No.	PADS No.
9202060000	-

500 / 1000
500 / 1000
55
3 x 150 SM
500 / 1000
55
4 x 150 SE
55
365 / 45 / 115
1450

Not suitable for steel wires, steel-armoured cables, aluminium alloys and hard-drawn copper conductors

KT 80



Catalogue No.	PADS No.
9202060000	-

Technical data

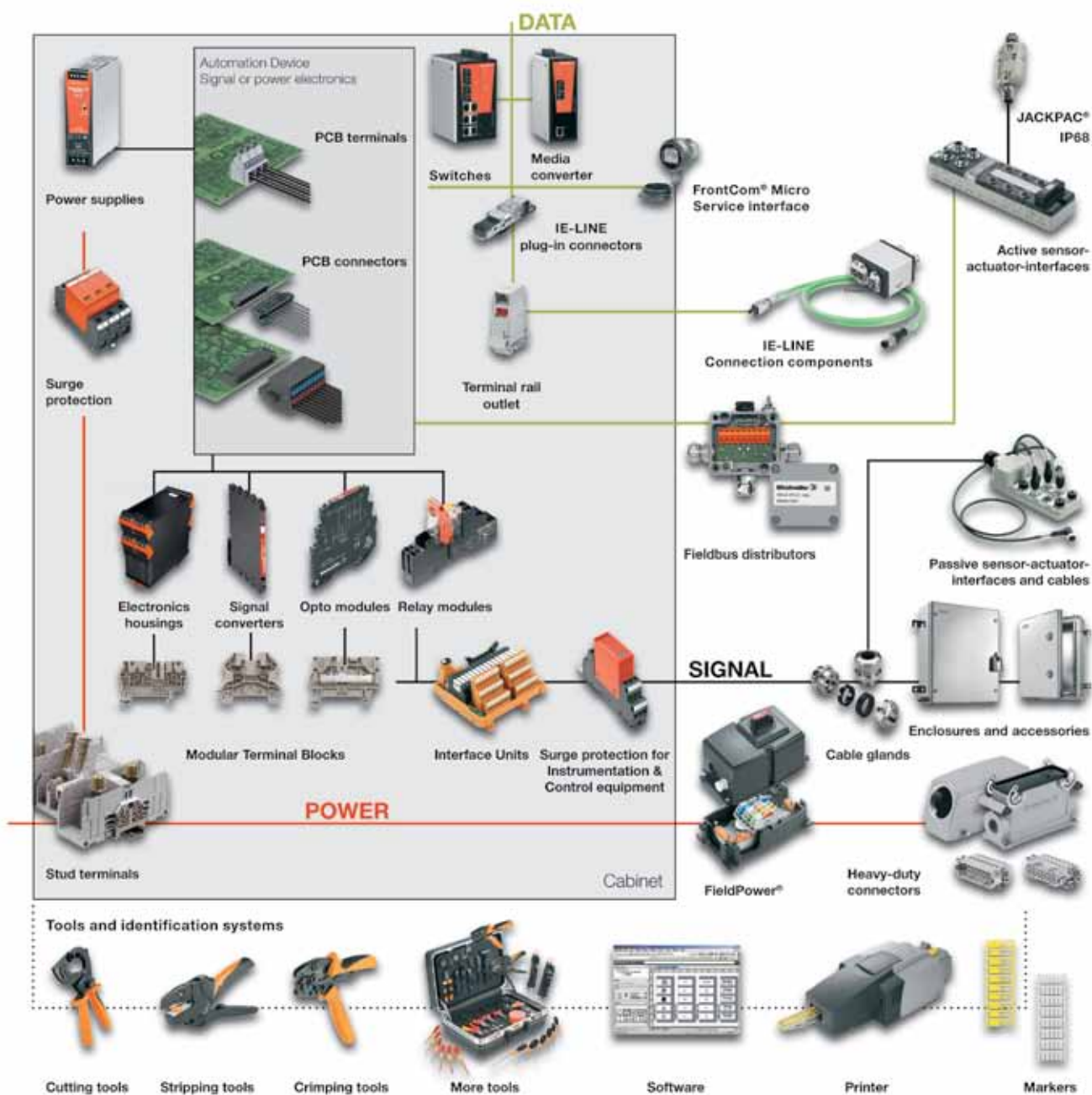
Max. cutting performance, copper cable		
Stranded (max. conductor cross section)	mm²/kcmil	630 / 1260
Flexible (max. conductor cross-section)	mm²/kcmil	630 / 1260
Flexible, stranded (max. conductor diameter)	mm	80
Copper sector cable		3 x 240 SM
Max. cutting performance, aluminium cable		
Stranded (max. conductor cross-section)	mm²/kcmil	1000 / 2000
Stranded (max. conductor diameter)	mm	
Aluminium sector cable		4 x 240 SE
Data / telephone / control cable		
Max. outer diameter	mm	80
Tool data		
Length / Width / Height (tool closed)	mm	675 / 55 / 175
Weight	g	3240

Note	Not suitable for steel wires, steel-armoured cables, aluminium alloys and hard-drawn copper conductors
------	--

Product Portfolio

Weidmüller delivers solutions for the electrical connection, transmission and conditioning of energy, signals and data in the railway industry, from infrastructure to signalling and rolling stock.

For more information see www.weidmuller.co.uk





Certificates

London Underground

Department The Chief Engineer

Ext/Direct 0171-308-4763

Fax 0171-308-2348

Our ref 6140/FRG/CJF/TDG-97-18/KLP_APP6/Terminals

Your ref

Date 12 January 1998



London Underground Limited

30 The South Colonnade
Canary Wharf
London E14 5EU
Tel: 0171 222 5600

Engineering Directorate

Paul Blackmore - Marketing Manager - Terminals
Klippon Products
Weidmuller (Klippon Products) Ltd
Power Station Road
Sheerness
Kent
ME12 3AB

AUTHORITY TO SUPPLY PRODUCT

LIMITED FIRE HAZARD ELECTRICAL TERMINALS USING WEIDMULLER COMPOUND Ref. 'WEMID'

I accept on behalf of London Underground Limited, based on the type test data supplied by Klippon, samples evaluated by Transfire Services and the conditions of waiver 949, that Klippon have provided adequate evidence to demonstrate their capability to produce electrical terminals suitable for use by London Underground Limited in areas requiring Limited Fire Hazard Products (i.e. Section 12 Areas) provided that the sole compound used in the terminals construction, apart from metal components, is Weidmuller compound reference 'Wemid'.

Note:

'Wemid' is the generic code assigned by Weidmuller for two compounds whose specific references have been disclosed, in confidence, to LUL.

This acceptance relates only to the products fire performance suitability.

Due to the diverse nature of the range of products offered plus the fact that they represent industrial standard product the electrical and mechanical properties of the terminals have NOT been independently assessed by LUL. The contractor is responsible for ensuring that the product being offered is fit for the intended purpose.

Full acceptance of compliance is granted providing the loading levels of the non metallic parts does not exceed the following :-

420 grams per 1.25m² area

Passenger circulation areas
(e.g. platforms, ticket halls etc.)

120 grams per 1.25m² area
60 grams per 0.5m² area

Tunnel locations
In rolling Stock



Registered Supplier

Link-up Qualification Scheme

Weidmuller Ltd

Supplier Number: 17523



A handwritten signature in black ink, appearing to read "Brookes".

Date Printed: 5 April 2012
Expiry Date: 17 June 2012
Certificate Number: 25974-17523/91352

Peter Brookes
Rail Sector Manager
Achilles Information Limited



Achilles Information Limited
30 Park Gate Milton Park Abingdon Oxon OX14 4SH UK
T: +44 (0)1235 820813 F: +44 (0)1235 821093 E: enquiries@achilles.com www.achilles.com

Addresses Worldwide

- AE United Arab Emirates**
Weidmüller Middle East FZE
P.O. Box 8591
SAIF-Zone
Sharjah – U. A. E.
Phone +971 6 5572723
Fax +971 6 5572724
wme.info@weidmueller.com
- AR Argentina**
CPI SA
Bauness 2660
1431 Buenos Aires
Phone +54 11 45238008
Fax +54 11 45220546
info@cpi.com.ar
www.cpi.com.ar
- AT Austria**
Weidmüller GmbH.
Industriezentrum Nö Süd
Straße 2, Objekt M2
2355 Wiener Neudorf
Phone +43 2236 6708-0
Fax +43 2236 6708-199
office.at@weidmueller.com
- AU Australia**
Weidmüller Pty. Ltd.
P.O. Box 6944
Huntingwood Drive 43
Huntingwood,
NSW, 2148
Phone +61 2 9671-9999
Fax +61 2 9671-9911
info@weidmuller.com.au
www.weidmuller.com.au
- AZ Azerbaijan**
West Industries Ltd.
Caspian Plaza, 5-th Floor
44 J. Jabbarly Str., Baku
Phone +99412 499 15 15
Fax +99412 499 14 93
sales@west-i.com
- BA Bosnia and Herzegovina**
BH ES ELEKTROSISTEM d.o.o.
ul. J. Veselinovica 18
78000 BiH Banja Luka
Phone +387 51 317500
Fax +387 51 304638
elsist@inecco.net
www.elektrosistem.co.yu
- BE Belgium**
Weidmüller Benelux B.V.
Mechelsesteenweg 519 bus 6 en 7
1930 Nossegem
Phone +32 (0)16 39 5990
Fax +32 (0)16 40 1051
info@weidmueller.be
www.weidmueller.be
- BG Bulgaria**
Weid-Bul EOOD
1113 Sofia
33A Nezabavka, bl.
315, fl.3, ap. 10
Phone +359 2 9632560
Fax +359 2 9631098
weidbul@nat.bg
www.weidbul.com
- BH Bahrain**
Khayber Trading Company
P.O. Box 1976 Manama,
Phone +973 720747
Fax +973 720331
khayber@batelco.com.bh
- BR Brazil**
Conexel Conexoes Elétricas Ltda.
Rua Garcia Lorca, 176
09695-900, Sao Paulo SP
Phone +55 11 43669600
Fax +55 11 43621677
vendas@conexel.com.br
www.conexel.com.br
- BY Belarus**
TECHNIKON Ltd.
Oktyabrskaya Str. 16/5
Apt. 704, Minsk 220801
Phone +375 17 2275830
Fax +375 17 2275830
technikon@belsonet.net
- CA Canada**
W Interconnections CANADA Ltd.
10 Spy Court, Markham,
Ontario L3 R5 H6
Phone +1 905 475-1507
Fax +1 905 475-2798
info1@weidmuller.ca
www.weidmuller.ca
- CH Switzerland**
Weidmüller Schweiz AG
Rundbuckstraße 2
8212 Neuhausen am Rheinfell
Phone +41 52 6740707
Fax +41 52 6740708
info@weidmueller.ch
www.weidmueller.ch
- CL Chile**
Felipe Bahamondes S.A./ATS AGRO
Maria Luisa Santander 0475
Casilla 3425
Santiago
Phone +56 2 341-1271
Fax +56 2 341-1275
felipe@atsintech.com
- CN China**
Weidmüller Interface International
Trading (Shanghai) Co., Ltd.
12 F, Century Ba-Shi Building,
No. 398 Huaihai Road (M)
Shanghai 200020
P.R. China
Phone +86 21 63868188
Fax +86 21 63867177
www.cnweidmuller.com
- CO Colombia**
Automatización Avanzada S. A.
Carrera 97 No.24c, 23 B4
4 Bogotá D. C.
Phone +57 1 5478510
Fax +57 1 4223044
comercial@
automatizacionavanzada.com
www.automatizacionavanzada.com
- CR Costa Rica**
ELVATRON S.A.
la Uruca 400 Norte
Banco Costa Rica
San José Costa Rica
Phone +506 2 961060
Fax +506 5 200609
dirk.haase@elvatron.com
www.elvatron.com
- CS Serbia-Montenegro**
ES-YU Elektrosistem
Pariske komune 41
11070 Novi Beograd, Serbia
Phone +381 11 2693608
Fax +381 11 3018660
esyu@eunet.yu
www.elektrosistem.co.yu
- CZ Czech Republic**
Weidmüller s. r. o.
Lomnického 5/1705
14000 Praha 4
Phone +420 2 44001400
Fax +420 2 44001499
office@weidmueller.cz
www.weidmueller.cz
- DE Germany**
Weidmüller GmbH & Co. KG
P.O. Box 3054
32720 Detmold
Ohmstraße 9
32758 Detmold
Phone +49 5231 1428-0
Fax +49 5231 1428-116
weidmueller@weidmueller.de
www.weidmueller.de
- DK Denmark**
Wexoe A/S
Leirvej 31
3500 Værløse
Phone +45 45465800
Fax +45 45465801
wexoe@wexoe.dk
www.wexoe.dk
- EC Ecuador**
Elsystec S. A. Electricidad
Sistemas y Tecnología
Vasco de Contreras N35-25
y Mañosa, Quito
Phone +593 2 2456510
Fax +593 2 2456755
Elsystec@uio.satnet.net
- EE Estonia**
Alter Electric OÜ
Gaasi 4A
11415 Tallinn
Phone +372 6519666
Fax +372 6519667
alter@alter.ee
www.alter.ee
- EG Egypt**
Standard Electric (OMEGA)
87, Mohamed Farid Street
Heliopolis, Cairo
Phone +20 26422977
Fax +20 26422955
stdelec@rite.com
- ES Spain**
Weidmüller S. A.
Narcis Monturiol 11-13
Pol.Ind. N 1 Sudoeste
8960 Sant Just Desvern
Barcelona
Phone +34 93 3722061
Fax +34 93 3718055
weidmuller@weidmuller.es
www.weidmuller.es
- FI Finland**
JUHA-ELEKTRO OY
P. O. Box 57, 641 Helsinki
Kylvöpolku 6, 680 Helsinki
Phone +358 10 8328 100
Fax +358 10 8328 109
info@juha-elektro.fi
www.juha-elektro.fi
- FR France**
Weidmüller E. U. R. L.
12, Chaussée Jules César
B.P. 263 Osny
95523 Cergy Pontoise Cedex
Phone +33 1 34245500
Fax +33 1 34245501
mail@weidmuller.fr
- GB Great Britain**
Weidmüller Ltd., Klippon House,
Centurion Court Office Park,
Meridian East, Meridian Business
Park, Leicester, LE19 1TP
Phone +44 (0) 1162823470
Fax +44 (0) 1162893582
sales@weidmuller.co.uk
www.weidmuller.co.uk
- GR Greece**
Electrorama S.A.
1 An. Martali Str.
41335 Larissa
Phone +30 2410 552533188
Fax +30 2410 283463189
valvizos@electrorama.com.gr
- HK Hong Kong**
United Equity Limited
Suite B, 11/F International Industrial
Centre
2-8 Kwei Tei Street, Fotan, Shatin
Phone +852 26876739
Fax +852 26876735
united_equity@sinatown.com
- HR Croatia**
Elektro Partner d.o.o.
Slavonska Avenija 24/6
10000 Zagreb
Phone +385 1 6184793
Fax +385 1 6184795
elektropartner@zg.t-com.hr
- HU Hungary**
Weidmüller Kereskedelmi Kft
Mádi utca 50
1104 Budapest
Phone +36 1 464-7888
Fax +36 1 3827701
info@weidmueller.hu
- ID Indonesia**
PT. Nego Electrindo
Ruko Mega Grosir Cempaka Mas,
Blok I No 20 – 22
Jl. Let.Jend. Suprato –
Jakarta 10640
Phone +62 21 42882255
Fax +62 21 42882266
sales@negoelectrindo.co.id
- IE Ireland**
Please contact Weidmüller Ltd. in
Great Britain
- IL Israel**
A.U.Shay Ltd.
P.O. Box 10049
Embar Street 23/25
Petch-Tikwa 49222
Phone +972 3 9233601
Fax +972 3 9234601
- ISrael**
ATEKA Ltd.
23 Hayetzira St.
Kiryat Aryeh
49130 Petach-Tikva, Israel
Phone +972 3 9392344
Fax +972 3 9243273
marketing@ateka.co.il
www.ateka.co.il
- IN India**
Weidmüller Electronics India Pvt. Ltd
Plot # 32, 3rd Floor, North Court
Lane North Avenue, Opp Jogger's Park
Kalyani Nagar, Maharastra
411006 Pune
Phone +91 9049800960
Nitish.Rajan@weidmueller.de
- IR Iran**
Tamin Ehtiajat Fani Tehran (TAF Co.)
72, Iranshahr Ave.(Unit # 5)
15816 Tehran
Phone +98 21 8831-7851
Fax +98 21 8882-0268
tafco@safineh.net
- IS Iceland**
Samey Automation Center
Lyngas 13, 210 Garoabaer,
Phone +354 510 5200
Fax +354 510 5201
samey@samey.is
- IT Italy**
Weidmüller S.R.L.
Via Albert Einstein 4
20092 Cinisello Balsamo
Milano
Phone +39 02 660681
Fax +39 02 6124945
weidmuller@weidmuller.it
www.weidmuller.it
- JO Jordan**
HORIZONS
P.O.Box: 330607
Amman Jordan 11133
Phone +962 6 4882114
Fax +962 6 4882115
horizons@go.com.jo
- JP Japan**
Nihon Weidmüller Co. Ltd.
Sphere Tower Tennoz,
2-2-8 Higashi-Shinagawa,
Shinagawa-Ku, Tokyo 140-0002
Phone +81 3 6711-5300
Fax +81 3 6711-5333
www.weidmuller.co.jp
- KR Korea**
Weidmüller Korea Co., Ltd.
6100r, Sukyoung building, 242-54
Nonhyun-dong, Kangnam-Gu
Seoul, Korea
Zip: 135-830
Phone +82 2 5160003
Fax +82 2 5160090
info@weidmuller.co.kr

Group companies **DE**Agency abroad **DE**Without own Agency **DE**

KW Kuwait
KANA CONTROLS General
Trading & Cont. CO. W.L.L.
Al Rai Industrial Area,
Plot 28-30, St. 31
P.O.Box: 25593
Safat, 13016
Phone +966-474 1373/4
Fax +966-474 1537
info@kanacontrols.com

KZ Kazakhstan
Please contact our
Weidmüller branch office
in Moscow, Russia

LB Lebanon
Progress Engineering & Trading
Enterprises
Al Nahr Street
Beirut
Phone +961 1 444664
Fax +961 1 561880
progress@inco.com.lb

LT Lithuania
ELEKTROS IRANGA
Tinklų g.29a, 5319 Panevezys
Phone +370 45582828
Fax +370 45582727
info@eliranga.lt

LU Luxembourg
Please contact Weidmüller
Benelux B.V. in the
Netherlands

LV Latvia
Please contact our
Weidmüller branch office
in Estonia

MD Moldova
BERHORD A&D srl
44, srt. Sarmizegetusa 37/3
Off 414, b-dul Decebal, 3,
Chisinau, MD 2001
Phone +373 22 507137
Fax +373 22 507134
atuleanu@berhord.com

MK Macedonia
ELEKTRO – SMK dool
UL. III Makedonska brigada b.b.
1000 Skopje
Phone +389 22 460 295
Fax +389 22 460 298
Elektro-smk@telekabel.net.mk

MT Malta
E. S. S., Electrical Supplies
& Services Ltd
104 J. Solberras Str.
Hamrun HMR 08
Phone +356 21 255 777
Fax +356 21 255 999
robert@ess.com.mt

MX Mexico
W Interconnections, S.A. DE C.V.
Blyd. Hermanos Serdán No. 698
Col. San Rafael Oriente
Puebla, C.P. 72029
Phone +52 222 22686227
clientes@weidmuller.com.mx

MY Malaysia
Connect Plus Technology Sdn Bhd
No. 43, Jalan PJS 11/22,
Bandar Sunway, 46150 Petaling Jaya
Selangor Darul Ehsan
Phone +60 3 5633 7363
Fax +60 3 5633 6562
paul@cptech.com.my
www.cptech.com.my

NL Netherlands
Weidmüller Benelux B.V.
Franciscusweg 221
1216 SE Hilversum
Postbus 1509
1200 BM Hilversum
Phone +31 35 6261261
Fax +31 35 6232044
info@weidmuller.nl

NO Norway
Siv. Ing. J. F. Knudtzen A/S
Billingstadsletta 97
P.O. Box 160
1378 Nesbru
Phone +47 66 983350
Fax +47 66 980955

NZ New Zealand
Cuthbert S. Steward Limited
27 Te Puni Street
POB 38496
Petone, Wellington
Phone +64 4 5686156
Fax +64 4 5686056
info@weidmueller.de

OM Oman
DAN INTERNATIONAL LLC.
P.O. BOX 2901
111 Seeb
Phone +968 503 677
Fax +968 503 755
yedu@danintl.com

PE Peru
TECNOLOGÍA ELÉCTRICA Y
SOLUCIONES S.A.C.
Calle Huandoy 501, Lima 32, Peru
Phone / Fax +51 1 562-0004
info@tecsol-peru.com

PH Philippines
Enclosure Systems Specialists Inc
W-15 La Fuerza Compound
2241 Don Chino Roces Avenue
Makati City 1231
Phone +63 2 813 8580
Fax +63 2 813 8596
sales_encsys@pltdsl.net

PK Pakistan
Kana Controls (Pak)
Apartment No. 33 C III
Chenab Block,
Allama Iqbal Town
Lahore, Pakistan
Phone +92 42 5419948
+92 42 7845160
Fax +92 42 5422895
nadeem@kanapak.com
www.kanapak.com

PL Poland
Weidmüller Sp. z o.o.
Ul. Goledzinowska 10
03-302 Warszawa
Phone +48 22 5100940
Fax +48 22 5100941
biuro@weidmuller.com.pl
www.weidmuller.pl

PT Portugal
Weidmüller Sistemas de
Interface S. A.
Estrada Outeiro Polima, R. Augusto
Dias da Silva, Lote B, Esc. 2
2785-515 Aboboda - São Domingos
de Rana
Phone +351 21 4459191
Fax +351 21 4455871
www.weidmueller.pt

QA Qatar
Doha Motors Trading Co.
(Technical Division)
Post Box No. 145
Airport Road
Doha - Qatar
Phone +974 465 1441
Fax +974 465 0925
dmtctech@qatar.net.qa

RO Romania
Rominterface Impex SRL
Str. Gh. Dem Teodorescu 30 A
30916 Bucuresti - sector 3
Phone +40 21 3220230
Fax +40 21 3228857
office@rominterface.ro

RU Russia
Weidmüller Interface GmbH & Co. KG
Representative Office
Ul. Shabolovka 2
119049 Moscow, Russia
Phone +7 4 95 771-6940
Fax +7 4 95 771-6941
info@weidmueller.ru
www.weidmueller.ru

SA Saudi Arabia
Al Abdulkarim Holding Co.
P.O. Box, 4
Dammam 31411
Phone +9668337110
Fax +9668338242
salehsk@akh.com.sa
www.akte.com.sa

Saudi Electric Supply Co.
P.O. Box 3298
Al Khobar 31952
Phone +966 3 882 9546227
Fax +966 3 882 9547
Safdar.malik@sesco-ge.com

SE Sweden
Weidmüller AB
Axel Daniéssons väg 271
P.O. box 31025
200 49 Malmö
Phone +46 (0) 7 71 43 00 44
Fax +46 (0) 40 37 48 60
info@weidmuller.se
www.weidmuller.se

SG Singapore
Weidmüller Pte. Ltd.
70 Bendemeer Road
#04-03 Luzerne
Singapore 339940
Phone +65 6841 5311
Fax +65 6841 5377
info@weidmuller.com.sg
www.weidmuller.com.sg

SI Slovenia
ELEKTROPOJIL d.o.o.
Stegne 25, 1000 Ljubljana
Phone +386 15113810
Fax +386 15111604
elektropojil@siol.net
www.elektropojil.si

SK Slovakia
ELEKTRIS s.r.o.
Elektrárnská 1
83104 Bratislava
Phone +421 2 49200113
Fax +421 2 49200119
weidmueller@computel.sk

TH Thailand
Pisanu Engineering Co., Ltd
800/2 Asoke Dindaeng Road,
Dindaeng, Bangkok 10400
Phone +66 2 245 9113
Fax +66 2 2463214
pisanu@kanit.co.th
www.pisanu.co.th

TN Tunisia
Please contact
Weidmüller E.U.R.L. in France

TR Turkey
Weidmüller Elektronik Ticaret Ltd.
Sirketi
Kavacik Mah. Orhan Veli Kanik
Caddesi 9/1
34810 Beykoz – Istanbul
Phone +90 216 5371070 (Pbx)
Fax +90 216 5371077
info@weidmuller.com.tr
www.weidmuller.com.tr

TW Taiwan
Fittatek Co., Ltd.
12F No. 185 Fu-Kuo Road,
Tso Ying Dist
Kaohsiung
Phone +886 7 556 0858
Fax +886 7 556 3279
stanley@fittatek.com.tw
www.fittatek.com.tw

Taiwan
Eucan Enterprise Ltd.
No. 145 He Ping 2nd Rd
Kaohsiung
Phone +886 7 715 6610
Fax +886 7 715 8748
mark@eucan.com.tw
www.eucan.com.tw

UA Ukraine
TEKO INTERFACE ooo
ul. Lewanewskogo 6
03058 Kiev
Phone +38 044 401 09 90
Fax +38 044 401 08 64
weidmueller@tekointerface.com
www.tekointerface.com.ua

US United States
W-Interconnections Inc.
821 Southlake Boulevard,
Virginia - Richmond 23236
Phone +1 804 7942877
Fax +1 804 3792593
info@weidmuller.com
www.weidmuller.com

UY Uruguay
REWO Uruguay S.A
Av. Bolivia, 2001 Esq Rocafuerte
Carrasco Montevideo 11300
Phone / Fax +598 260 48439
clorda@rewouruguay.com.uy

UZ Uzbekistan
OOO "Elektro Potential"
Gani Mavlanova str., 2B
100084 Tashkent
Phone +998 98-3003821
Fax +998 71-1249286
mzl1958@yandex.ru

VE Venezuela
Somerinca C.A.
Quinta Sagrado Corazon de Jesus -
3ra Transversal - Los Dos Caminos,
Caracas 1070 - A
Phone +58 212 2352748
Fax +58 212 2399341
klocoeller@cantv.net
www.kmsomerinca.com.ve

VN Vietnam
AUMI Co., Ltd
E1, La Thanh Hotel,
218 Doi Can Street,
Lieu Giai Ward, Ba Dinh District,
Hanoi City
Phone +84 4762 8601
Fax +84 4266 1391
aumi@aumi.com.vn

Linh Kim Hai Co., Ltd
78 Hoa Cuc Street Ward 7,
Phu Bhuan District,
Ho Chi Minh City
Phone +84 8517 1717
Fax +84 8517 1818
lkh@linhkimhai.com.vn

New Sky Co., Ltd
44/28 Tan Hai Street,
Ward 13, Tan Binh District,
Ho Chi Minh City
Phone +84 8812 6593
Fax +84 8812 6594
newsy-e@hcm.vn.vn
www.newsky-e.com

ZA South Africa
Phambili Interface (Pty) Ltd
P.O. Box 193, 1609 Johannesburg
5 Bundo Road, Sebzenza
1610 Johannesburg, Endersvale
Phone +27 11 452 1930
Fax +27 11 452 6455
sales@weidmuller.co.za
www.radinterface.co.za

DE Other countries
Weidmüller Interface GmbH & Co. KG
Postfach 3030
32720 Detmold
Klingenbergstraße 16
32758 Detmold
Phone +49 5231 14-0
Fax +49 5231 14-2083
info@weidmueller.de
www.weidmueller.com

www.weidmuller.co.uk

Argentina	Indonesia	Saudi Arabia
Australia	Iran	Serbia
Austria	Ireland	Singapore
Azerbaijan	Israel	Slovakia
Bahrain	Italy	Slovenia
Belarus	Japan	South Africa
Belgium	Jordan	Spain
Bosnia and	Kazakhstan	Sweden
Herzegovina	Korea	Switzerland
Brazil	Kuwait	Taiwan
Bulgaria	Latvia	Thailand
Canada	Lebanon	Tunisia
Chile	Lithuania	Turkey
China	Luxembourg	Ukraine
Colombia	Macedonia	United Arab
Costa Rica	Malaysia	Emirates
Croatia	Malta	United States
Czech	Mexico	Uruguay
Denmark	Moldova	Uzbekistan
Ecuador	Netherlands	Venezuela
Egypt	New Zealand	Vietnam
Estonia	Norway	
Finland	Oman	
France	Pakistan	
Germany	Peru	
Great Britain	Philippines	
Greece	Poland	
Hong Kong	Portugal	
Hungary	Qatar	
Iceland	Romania	
India	Russia	

Weidmüller deliver solutions for electrical connectivity, transmission, conditioning and processing of power, signals and data in industrial environments.

We develop, produce and sell products in the field of electrical connectivity and functional electronics. Our product and service portfolio is dedicated to adding value to the products and therefore the business of our customers.

The Weidmüller Group is a global organisation, with manufacturing plants, sales offices and representatives in over 80 countries.



Power, Signal, Data.
Weidmüller system of components.
Electrical connectivity and electronics with added value.



Date: April 2012

Weidmuller Ltd.

**Klippon House,
Centurion Court Office Park,
Meridian East,
Meridian Business Park
Leicester, LE19 1TP**

**Sales: 0845 094 2006
Technical: 0845 094 2007**

**www.weidmuller.co.uk
marketing@weidmuller.co.uk**

UKBR0002V2042012