SCREW TERMINALS

woertz

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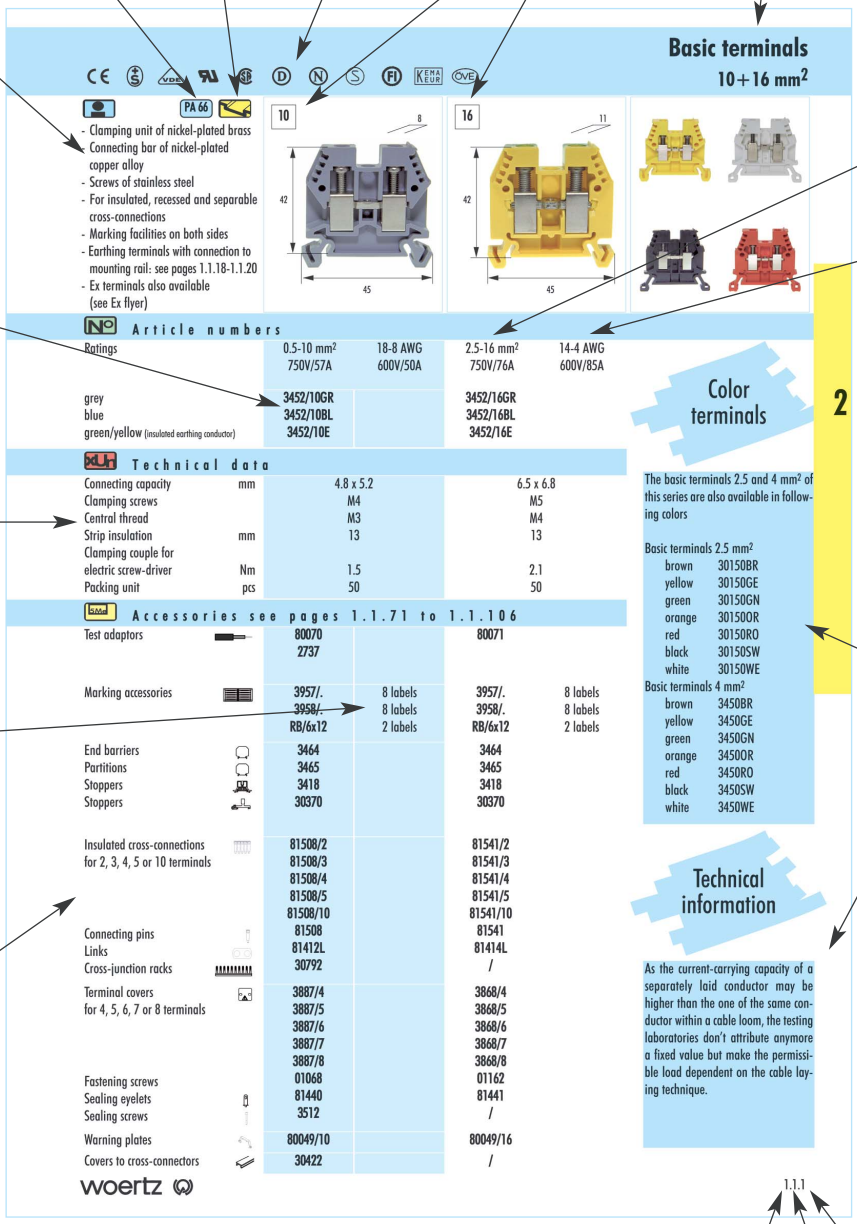
Structure of the catalog



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Introduction

Company profile

The Woertz company was founded in 1928; our head office is in Muttenz near Basle, Switzerland.

We are a family business with about 220 employees known as a quality manufacturer of circuitry accessories, installation systems and electronic control systems.

Our goals are:
- security,
- user-friendliness,
- and easy handling of our products.

We are certified according to ISO 9001 and ISO 14001.

Our range of products includes:
- terminals, junction boxes, grounding products, surge protection devices, anchor channels and anchoring studs
- flat cable installation systems
- floor ducts, double floor systems, under-window ducts
- electronic modules and interfaces.

The circuitry accessories and the electronic control systems are produced in our headquarters in Muttenz , the duct and double floor systems in the branch located in Hölstein.

Muttenz head office

Hofackerstrasse 47, CH-4132 Muttenz,
Switzerland
Tel. ++41 (0)61 / 466 33 33
Fax ++41 (0)61 / 461 96 06

Hölstein branch

Bärenmattenstrasse 3, CH - 4434 Hölstein,
Switzerland
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Fax ++ 41 (0)61 / 956 56 70

SQS

**The Swiss Association
for Quality and Management Systems**

SQS herewith certifies that the company named below has a management system
which meets the requirements of the normative bases specified below
and issues the company

Woertz AG

CH-4132 Muttenz 1

Certified area

Whole Company, location Muttenz and Hölstein

Field of activity

Electrical accessories, Installation systems

on the basis of the audit result the

SQS Certificate
ISO 9001:2000 / ISO 14001:1996

CH-3052 Zollikofen, 25 June 2002
This SQS Certificate is valid up to and including 24 June 2005
Scope numbers 19, 14
Registration number 10501-06

Managing Director SQS — T. Zahner

President SQS — Prof. Dr. H. D. Seghezzi

SCTS 002, 023

IQNet

The SQS certificate ISO 9001 was issued to us 1987 for the first time and renewed regularly. ISO 14001 since 1996.

Introduction

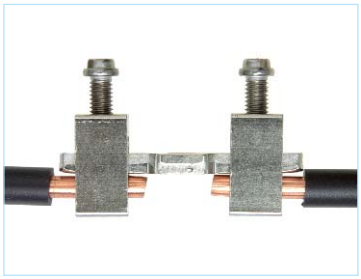
Properties of the insulating materials

The insulating body of our terminals is made of polyamide 66. Even if this polyamide is subjected to a constant temperature of 100°C, it fulfills the electrical, mechanical and chemical properties required in terminals. The typical features of polyamide 66 are hardness, rigidity, scuff resistance and thermal endurance.

Fuse terminals and fuse plugs, where constant temperatures of over 100°C can occur, are made of polyamide 66 reinforced with fibreglass.
Polyamide 66 is hardly combustible, self-extinguishing and halogen-free (when a fire breaks out, there can't be any emanation of toxic gas combustion, which, alone or combined with humidity, could result in corrosive precipitations).
Polyamide 66 (reinforced with fibreglass or non-reinforced) is approved by all leading certification and testing institutions.

General properties	Density g/cm^3 Humidity-absorption (normal conditions) % Water-absorption at 23°C (saturation) %		1.14 2.8 ± 0.3 8.5 ± 0.5
Burning behavior			
according to VDE 0304, Teil 3 (5.70)	class	II b	
according to FMVSS*-302 (condition fulfilled: the flame goes out before the first marker is reached)	mm/min	< 100 * Federal Motor Vehicle Safety Standard No. 302, 1976 (sample 1 mm thick); see also DIN 75 200 (4.75)	
according to UL Standard 94 (sample $^1/_{16}$" thick)		94V-2	
Toxic behavior		halogen-free	
Mechanical properties	**Unit**	**State of sample**	**polyamide 66**
Yield stress	N/mm^2	dry moist	90 65
Elongation at tear	%	dry moist	20 > 50
Elastic modulus (tension test)	N/mm^2	dry moist	3400 1700
Ductility (notch d=3mm)	kJ/m^2	dry	40
Indentation hardness	N/mm^2	dry moist	170 110
Thermal properties	**Unit**	**State of sample**	**polyamide 66**
Heat-resistance according to ISO 75 Process A Process B	 °C °C	 dry dry	 105 > 200
Fusion temperature	°C	/	260
Longitudinal expansion coefficient	1/K x 10^{-5}	dry	7-10
Thermal conductivity	W/(K x m)	dry	0.23
Specific heat capacity	J/(g x K)	dry	1.7
Electrical properties	**Unit**	**State of sample**	**polyamide 66**
Dielectric constant (10^5 Hz)		dry moist	3.2 5.0
Dielectric loss factor tan δ (10^5 Hz)		dry moist	0.025 0.2
Dielectric strength	kV/mm	dry moist	100-150 30-80
Specific volume resistance	Ω x cm	dry moist	10^{15} 10^{12}
Surface resistance R_{OA}	Ω	dry moist	10^{12} 10^{10}
Creep resistance	CTI	dry / moist	> 600 (non-reinforced)

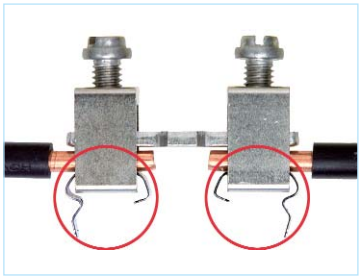
Connecting terminals with screw connections without springs



without additional spring

To connect one or more conductors with a clamping unit.
Clamping unit of nickel-plated brass.
Screws of stainless steel.
Connecting bars of nickel-plated copper alloy.
Corrosion resistant, also suitable for marine systems.
Approved for hazardous locations.

Connecting terminals with screw connections with springs



with additional spring to prevent wires from working loose

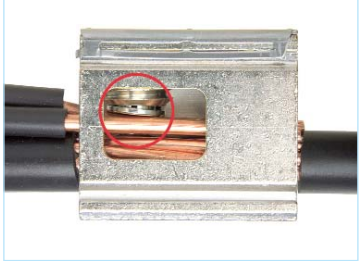
To connect one or more conductors with a clamping unit.
Clamping unit of nickel-plated brass.
Screws and springs of stainless steel.
Connecting bars of nickel-plated copper alloy.
Corrosion resistant, also suitable for marine systems,
for systems with high temperature variations, vibration resistant.
Approved for hazardous locations.

Branching terminals with screw connections for through conductors without springs

Clamping screws without springs

To connect one main through conductor, stripped of its insulation at a stretch corresponding to the length of the terminal, and one or more stripped ends of branch conductors laid down on it. Always clamp main conductor and branch conductor under all two or three clamping screws.
U-shaped clamping body of nickel-plated brass.
Pressure part, screws and sliding cover of nickel-plated brass.
To insert the through conductor and one or more branch conductors pull off the sliding cover, unscrew clamping screws and remove pressure part. Insert main conductor and put branch conductor on it, so that they are clamped by all two or three clamping screws. Very secure because the main conductor is not cut anywhere.

Branching terminals with screw connections for through conductors with spring



Sprung clamping screws

To connect one main through conductor, stripped of its insulation at a stretch corresponding to the length of the terminal, and one or more stripped ends of branch conductors laid down on it. Always clamp main conductor and branch conductor under all two or three clamping screws.
U-shaped clamping body of nickel-plated brass.
Pressure part, sprung screws and sliding cover of nickel-plated brass.
To insert the through conductor and one or more branch conductors pull off the sliding cover, unscrew clamping screws and remove pressure part. Insert main conductor and put branch conductor on it, so that they are clamped by all two or three clamping screws. Very secure because the main conductor is not cut anywhere.
For systems with high temperature variations, vibration resistant.
Approved for hazardous locations.

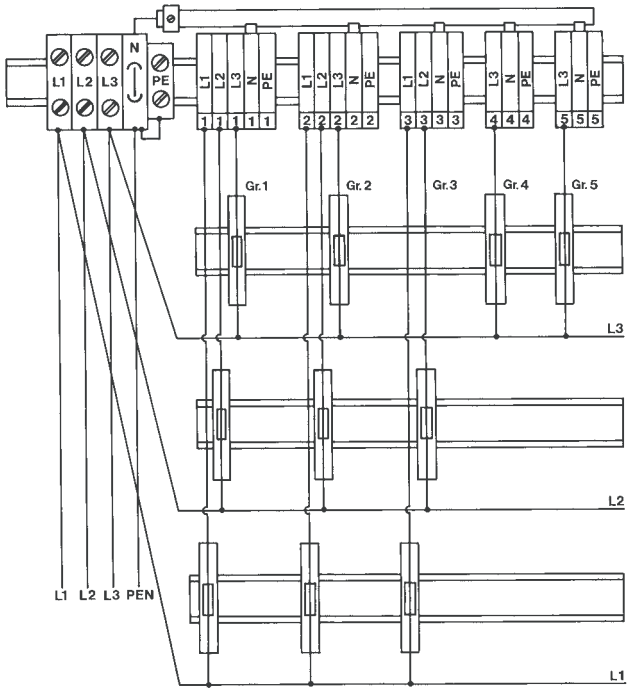
About the nominal cross-section of the screw terminals

At least two unifilar conductors (solid conductors), multifilar conductors (rigid stranded conductors) or finely stranded conductors (flexible conductors) of the terminal's nominal cross-section can be connected to all terminals.

If the cross-section of the neutral conductor is lower than or equal to 6 mm^2, the neutral conductor and the protective conductor must run separately.
If the cross-section of the neutral conductor is higher than or equal to 10 mm^2, the PEN conductor can be used.

When the PEN conductor is divided into a neutral and an earth conductor, a disconnecting unit must be inserted into the neutral conductor. This disconnecting unit must fulfill the requirements of a neutral disconnecting terminal and be mounted correctly in the house wiring. It must always be easy of access.

The presented neutral disconnecting terminals are perfect in accordance with these requirements and when combined with detachable neutral connectors they give rise to the following applications.

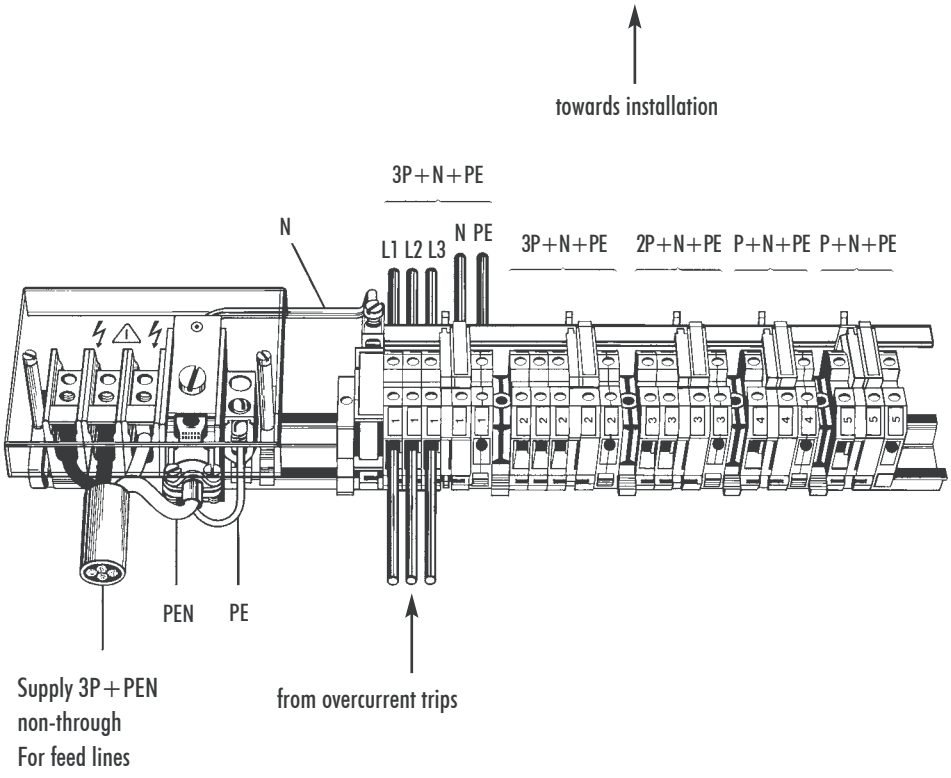


The feed line of the distribution system is lead to terminals for 3 polar conductors and to the neutral connecting terminal fastened on the mounting rail of connecting terminals. The input of the neutral disconnecting terminal is then connected to a bare earthing terminal terminal on the mounting rail.

This is the way a PEN conductor can be subdivided within a distribution system with the help of a neutral disconnecting terminal and a bare earthing terminal.

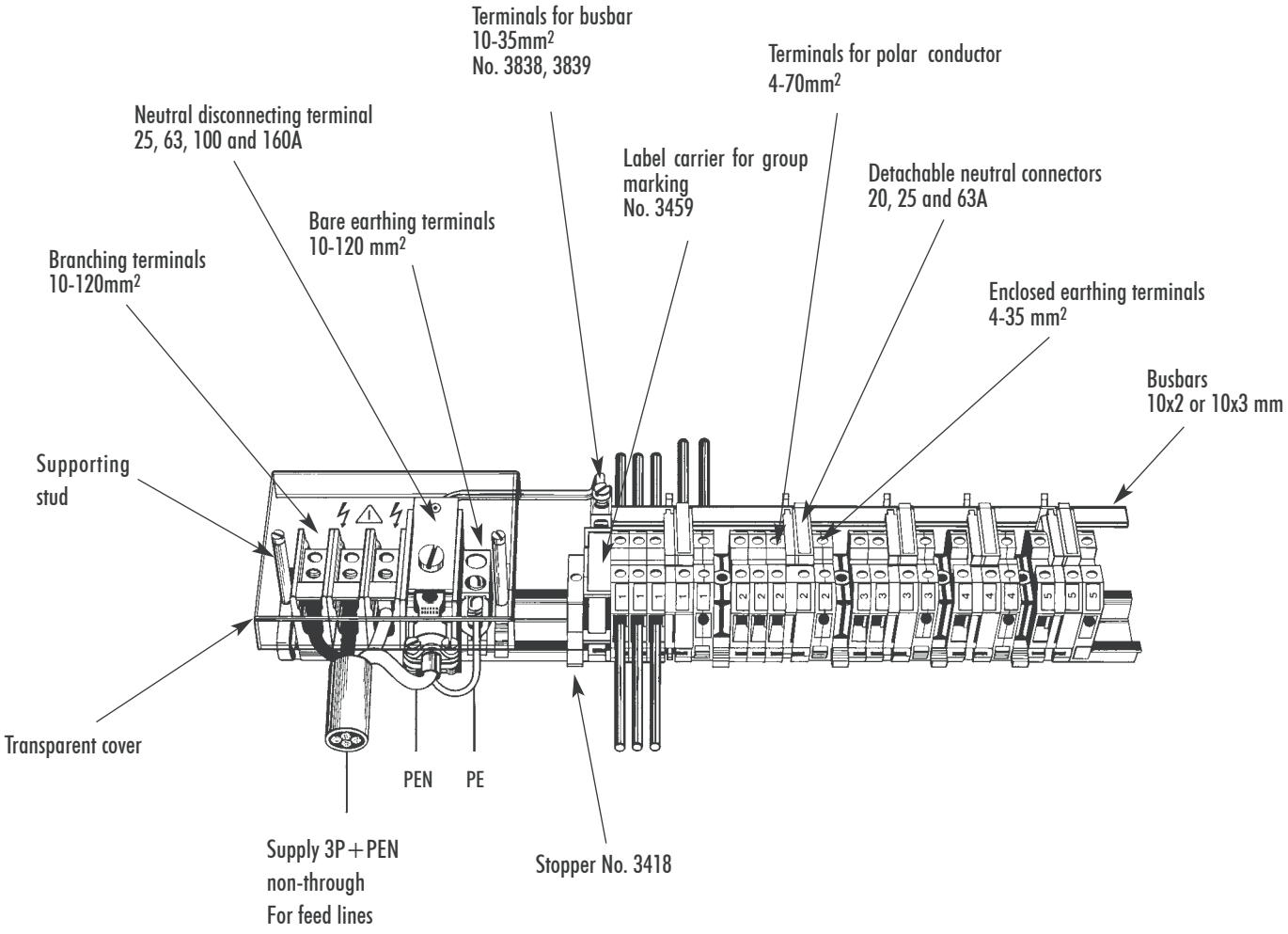
The cover fitting this combination of terminals provides protection against any accidental contact as well as locking of the neutral disconnecting terminal.

If detachable neutral connectors and earthing terminals are mounted next to the outgoing terminals, any parallel connection of neutral and protective conductors can be suppressed. The mounting rail provides the connection to the earth conductor, and the busbar of the detachable neutral connectors connected to the output of the neutral disconnecting terminal is joined to the neutral conductor.



Earthing

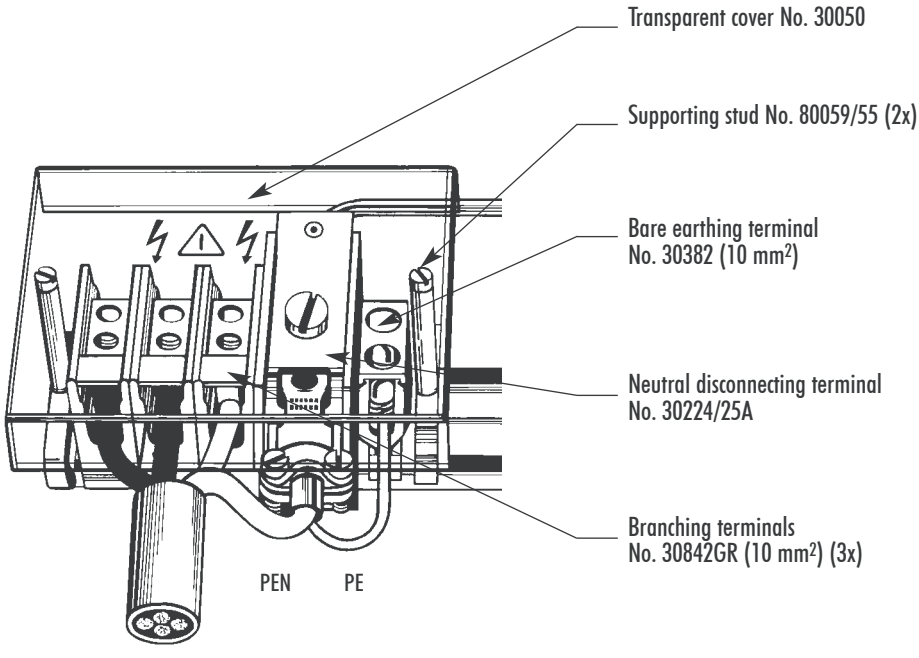
Subdivision of the PEN conductor within a distribution system



Transparent cover Art. No. 30050

Length: 114 mm
Width: 90 mm

With 2 holes for sealable screws
Distance between holes: 100 mm
With warning to protect against accidental contact
Other lengths on request



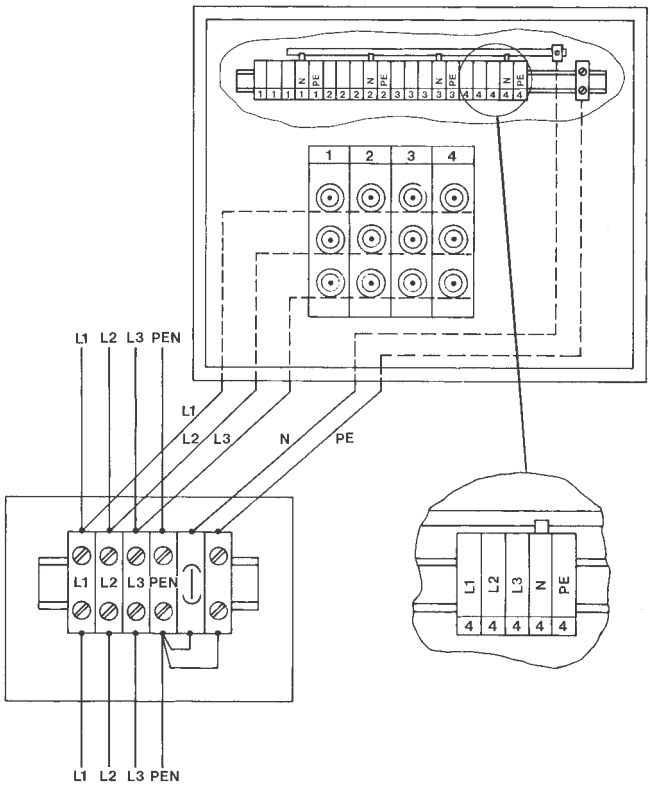
If the feed line is not directly lead to the distribution system, the PEN conductor can also be subdivided out of it, e.g. in a junction box.
In this case the junction box is provided with 4 insulated terminals for through conductors, a neutral disconnecting terminal and a bare earthing terminal. Three of the insulated terminals are intended for the polar conductors and one for the PEN conductor. Two connections are established from this terminal: on one hand towards the neutral disconnecting terminal and on the other hand towards the earthing terminal.

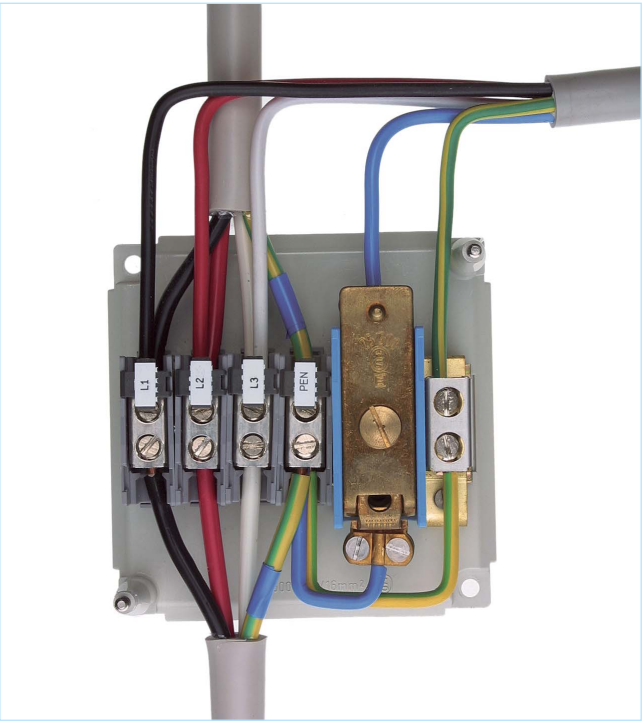
The subdivision of the PEN conductor for the feed line leading to the distribution system occurs in the junction box while the main line with the PEN conductor goes on normally.

The cover of the junction box provides protection against any accidental contact as well as locking of the neutral disconnecting terminal.

Thus supplying the distribution system occurs through separate neutral and protective conductors, which may not be linked any more in any case.

If detachable neutral connectors and earthing terminals are mounted next to the outgoing terminals in the distribution system, any parallel connection of neutral and protective conductors can be suppressed, as the corresponding one has already been established in the junction box.



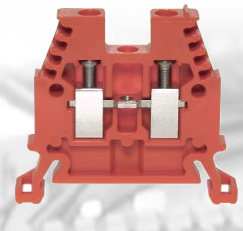


Junction boxes: series 2079K...
see page 4.1.5

Terminal overview

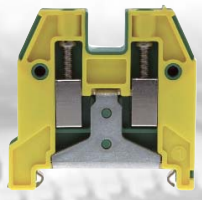
Terminals for mounting rails 35mm according to EN 60715 TH 35

Series Compact



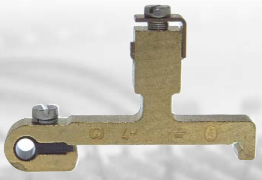
Basic terminals
2.5-16 mm²
series 3450

pages 1.1.16 - 1.1.17



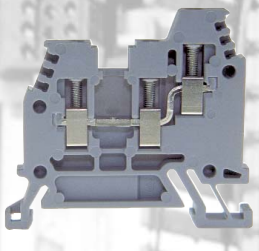
Enclosed earthing terminals
4-16 mm²
series 30544/.V

pages 1.1.18 - 1.1.19



Bare earthing terminals
4-16 mm²
series 30371

pages 1.1.20

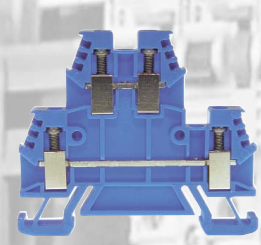


X-/Y-terminals
2.5-4 mm²
series 30903

pages 1.1.21 - 1.1.22

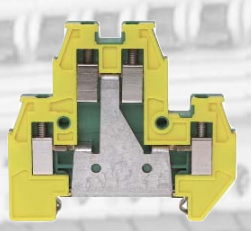
Return terminals
2.5 mm²
series 30810

pages 1.1.23



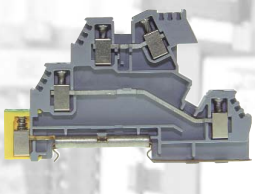
Two-step terminals
2.5-6 mm²
series 3430

pages 1.1.24 - 1.1.25



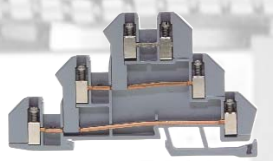
Two-step earthing terminal
4 mm²
series 3430/4V

page 1.1.26



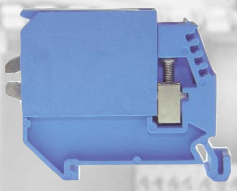
Three-step installation
terminals, 4 mm²
series 30431

pages 1.1.27 - 1.1.28



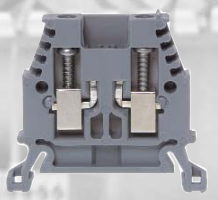
Three-step terminals for
proximity switches , 2.5 mm²
series 30403

pages 1.1.29 - 1.1.30



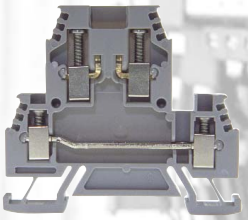
Neutral disconnecting
terminals
4-6 mm², series 30290

page 1.1.31



Disconnecting terminals
2.5 mm²
series 30800

page 1.1.32

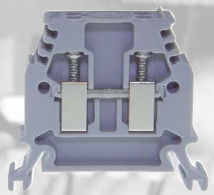


Two-step terminal with
disconnecting function 2.5 mm²
series 30890

page 1.1.33

Fuse terminals
4+10 mm²
series 30930

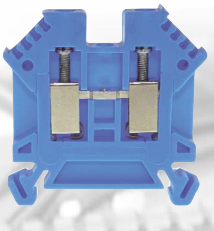
pages 1.1.34 - 1.1.36



Thermocouple terminals
2.5 mm²
series 30880

page 1.1.37

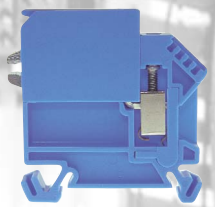
Series Comfort



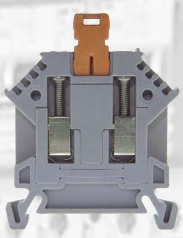
Terminals
for stringent demands
2.5-70 mm²
series 3424
pages 1.1.38 - 1.1.40

Enclosed earthing terminals
for stringent demands
4-70 mm²
series 3436V
pages 1.1.41 - 1.1.42

Bare earthing terminals
4-16 mm²
series 3436
pages 1.1.43 - 1.1.45

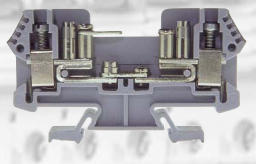


Neutral disconnecting
terminals, 4-16 mm²
series 3472
pages 1.1.46 - 1.1.47



Disconnecting terminals
2.5 mm²
series 30124
pages 1.1.48 - 1.1.49

Longitudinal, lateral
disconnecting terminals
2.5/10 mm², series 30168
pages 1.1.50 - 1.1.52



Universal test terminal
10 mm²
series 30146
page 1.1.53

Fuse terminals
10 mm²
series 30176
pages 1.1.54 - 1.1.56

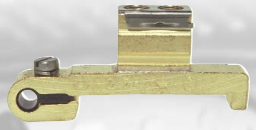
Terminal overview

Terminals for mounting rails 35mm according to EN 60715 TH 35

Branching terminals

Branching terminals
2.5-120 mm²
series 30840

pages 1.1.57 - 1.1.59



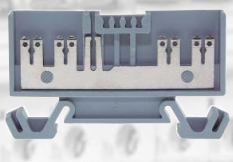
Bare earthing terminals
2.5-120 mm²
series 30380

pages 1.1.60 - 1.1.62

Special series

Neutral disconnecting terminals
10-50 mm²
25-160A, series 30224
pages 1.1.63 - 1.1.64

Stud terminals,
heavy-duty terminals
95-240 mm²
series 30286
pages 1.1.65 - 1.1.67



Terminals for flat push-on connectors, 2.5 mm²
series 3440

pages 1.1.68 - 1.1.69

Busbar terminals
4-35 mm²
series 30950

page 1.1.70

Accessories

End barriers, partitions,
cross-connections, etc.

pages 1.1.71 - 1.1.99

Marking accessories

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Mounting rails and accessories

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X-terminals 2.5mm² 1.1.22
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Two-step earthing terminal 4mm² 1.1.26
Three-step installation terminals 4mm² 1.1.27-1.1.28
Three-step terminals for proximity switches 2.5mm² . 1.1.29-1.1.30
Neutral disconnecting terminals 4 + 6mm² 1.1.31
Disconnecting terminals 2.5mm² 1.1.32
Two-step terminals with disconnecting function 2.5mm² . . 1.1.33
Miniature fuse terminals 4mm² 1.1.34
Fuse terminals 4 + 10mm² 1.1.35-1.1.36
Thermocouple terminals 2.5mm² 1.1.37

Series Comfort — pages 1.1.38 to 1.1.56

Terminals for stringent demands 2.5-70mm² 1.1.38-1.1.40
Enclosed earthing terminals 4-70mm² 1.1.41-1.1.42
Bare earthing terminals 4-70mm² 1.1.43-1.1.44
Bare collector terminals 1.1.45
Detachable neutral connectors 4-16mm² 1.1.46-1.1.47
Disconnecting terminals with /without plug 2.5mm² . 1.1.48-1.1.49
Longitudinal and lateral disconnecting terminals 10mm² . . . 1.1.50
Knife disconnecting terminals 2.5 + 6mm² 1.1.51-1.1.52
Universal test terminal 10mm² 1.1.53
Fuse terminals 10mm² 1.1.54-1.1.56

Branching terminals — pages 1.1.57 to 1.1.62

Branching terminals 2.5-120 mm² 1.1.57-1.1.59
Bare earthing terminals 2.5-120 mm² 1.1.60-1.1.62

Special series — pages 1.1.63 to 1.1.70

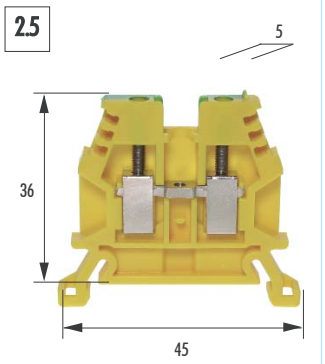
Neutral disconnecting terminals 10-50mm² 1.1.63-1.1.64
Stud terminals 95-240mm² 1.1.65
Heavy-duty terminals 95 + 240mm² 1.1.66
Earthing stud terminals 95 + 150mm² 1.1.67
Terminals for flat push-on connectors 2.5mm² 1.1.68-1.1.69
Busbar terminals 4-35mm² 1.1.70

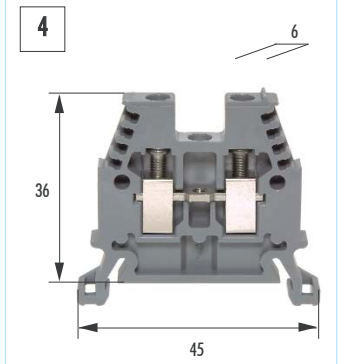
Basic terminals

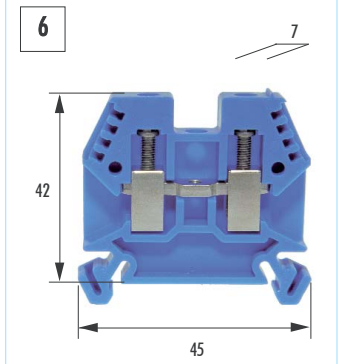
2.5-6 mm²

PA 66

- Clamping unit of nickel-plated brass
- Connecting bar of nickel-plated copper alloy
- Screws of stainless steel
- For insulated, recessed and separable cross-connections
- Marking facilities on both sides
- Earthing terminals with connection to mounting rail: see pages 1.1.18-1.1.20
- Ex terminals also available (see Ex flyer)







Article numbers

Ratings	0.5-2.5 mm² 750V/24A	22-14 AWG 600V/15A	0.5-4 mm² 750V/32A	22-10 AWG 600V/30A	0.5-6 mm² 750V/41A	22-10 AWG 600V/30A
grey	**30150GR**		**3450GR**		**3452/6GR**	
blue	**30150BL**		**3450BL**		**3452/6BL**	
green/yellow (insulated earthing conductor)	**30150E**		**3450E**		**3452/6E**	
Special colors (see following pages)	**brown, yellow, green, orange, red, black, white**		**brown, yellow, green, orange, red, black, white**			

Technical data

Connecting capacity	mm	2.4 x 5.2	3.2 x 4.6	3.8 x 5
Clamping screws		M2.5	M3	M3
Central thread		M2.5	M3	M3
Strip insulation	mm	10	9	12
Clamping couple for electric screw-driver	Nm	0.6	0.7	0.7
Packing unit	pcs	50	50	50

Accessories see pages 1.1.71 to 1.1.107

Test adaptors	**80247**		**80070**		**80070**	
	80248		**2737**		**2737**	
			80220/6			
Marking accessories			**3957/.**	8 labels	**3957/.**	8 labels
	RBE5	6 labels	**3958/.**	8 labels	**3958/.**	8 labels
	RB/5x9	2 labels	**RB/6x12**	2 labels	**RB/6x12**	2 labels
End barriers	**3460**		**3460**		**3464**	
Partitions	**3461**		**3461**		**3465**	
Push-in barriers	**80256**		**80256**		**/**	
Stoppers	**3418**		**3418**		**3418**	
Stoppers	**30370**		**30370**		**30370**	
Insulated cross-connections for 2, 3, 4, 5 or 10 terminals	**81505/2**		**81506/2**		**81507/2**	
	81505/3		**81506/3**		**81507/3**	
	81505/4		**81506/4**		**81507/4**	
	81505/5		**81506/5**		**81507/5**	
	81505/10		**81506/10**		**81507/10**	
Connecting pins	**81505**		**81506**		**81506**	
Links	**30408**		**81410L**		**81452L**	
Cross-junction racks	**30790**		**30791**		**/**	
Terminal covers for 4, 5, 6, 7 or 8 terminals	**81401/4**		**3886/4**		**3826/4**	
	81401/5		**3886/5**		**3826/5**	
	81401/6		**3886/6**		**3826/6**	
	81401/7		**3886/7**		**3826/7**	
	81401/8		**3886/8**		**3826/8**	
Fastening screws	**08569**		**17402 / 01068**		**17402 / 01068**	
Sealing eyelets	**81440**		**81440**		**81440**	
Sealing screws	**/**		**3512**		**3512**	
Warning plates	**/**		**80049/4**		**80049/6**	
Covers to cross-connectors	**30421**		**30422**		**30422**	

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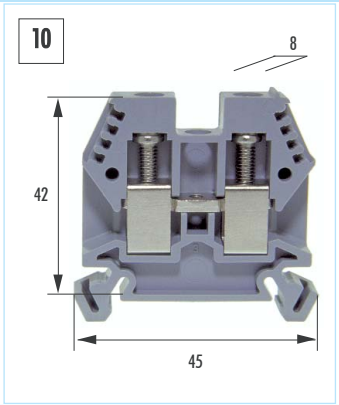
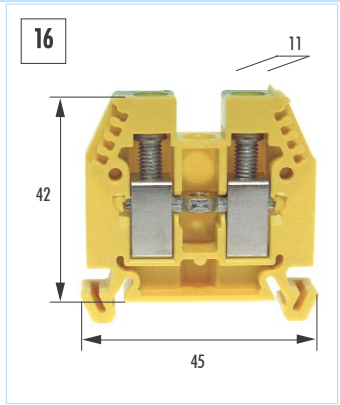
PA 66

- Clamping unit of nickel-plated brass
- Connecting bar of nickel-plated copper alloy
- Screws of stainless steel
- For insulated, recessed and separable cross-connections
- Marking facilities on both sides
- Earthing terminals with connection to mounting rail: see pages 1.1.18-1.1.20
- Ex terminals also available (see Ex flyer)





Article numbers

Ratings	0.5-10 mm² 750V/57A	18-8 AWG 600V/50A	2.5-16 mm² 750V/76A	14-4 AWG 600V/85A
grey	3452/10GR		3452/16GR	
blue	3452/10BL		3452/16BL	
green/yellow (insulated earthing conductor)	3452/10E		3452/16E	

Technical data

Connecting capacity	mm	4.8 x 5.2	6.5 x 6.8
Clamping screws		M4	M5
Central thread		M3	M4
Strip insulation	mm	13	13
Clamping couple for electric screw-driver	Nm	1.5	2.1
Packing unit	pcs	50	50

Accessories see pages 1.1.71 to 1.1.107

Test adaptors	80070 2737		80071	
Marking accessories	3957/. 3958/. RB/6x12	8 labels 8 labels 2 labels	3957/. 3958/. RB/6x12	8 labels 8 labels 2 labels
End barriers	3464		3464	
Partitions	3465		3465	
Stoppers	3418		3418	
Stoppers	30370		30370	
Insulated cross-connections for 2, 3, 4, 5 or 10 terminals	81508/2 81508/3 81508/4 81508/5 81508/10		81541/2 81541/3 81541/4 81541/5 81541/10	
Connecting pins	81508		81541	
Links	81412L		81414L	
Cross-junction racks	30792		/	
Terminal covers for 4, 5, 6, 7 or 8 terminals	3887/4 3887/5 3887/6 3887/7 3887/8		3868/4 3868/5 3868/6 3868/7 3868/8	
Fastening screws	01068		01162	
Sealing eyelets	81440		81441	
Sealing screws	3512		/	
Warning plates	80049/10		80049/16	
Covers to cross-connectors	30422		/	

Color terminals

The basic terminals 2.5 and 4 mm² of this series are also available in following colors

Basic terminals 2.5 mm²

brown	30150BR
yellow	30150GE
green	30150GN
orange	30150OR
red	30150RO
black	30150SW
white	30150WE

Basic terminals 4 mm²

brown	3450BR
yellow	3450GE
green	3450GN
orange	3450OR
red	3450RO
black	3450SW
white	3450WE

Technical information

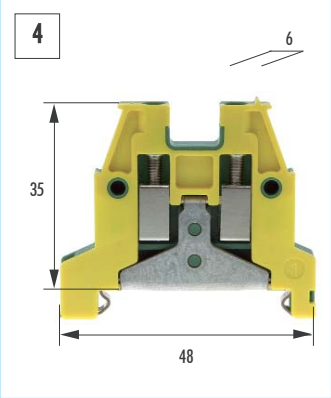
As the current-carrying capacity of a separately laid conductor may be higher than the one of the same conductor within a cable loom, the testing laboratories don't attribute anymore a fixed value but make the permissible load dependent on the cable laying technique.

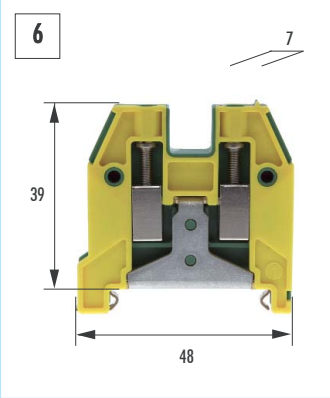
Partially enclosed earthing terminals

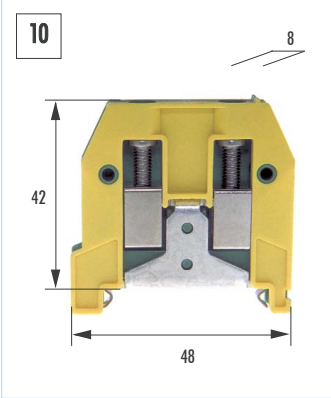
4-10 mm²

PA 66

- Metal body and clamping unit of nickel-plated brass
- Screws, springs and earthing part of stainless steel
- 4-figure marking on both sides
- Ex terminals also available (see Ex flyer)







Article numbers

Ratings	1.5-4 mm²	24-12 AWG		2.5-6 mm²	24-10 AWG	4-10 mm²	24-6 AWG
UL 467 Short-Time Current Test	AWG12, 470A during 4s.			AWG10, 750A during 4s.		AWG6, 1530A during 6s.	
For terminals for polar conductor	30150/3450			3452/6		3452/10	
green/yellow	**30544/4V**			**30544/6V**		**30544/10V**	

Technical data

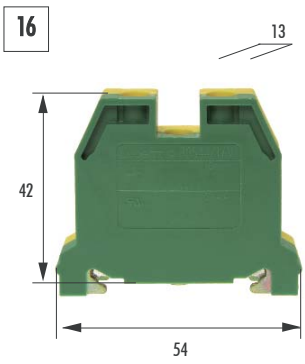
Connecting capacity	mm	4.5 x 3.1	5 x 3.7	7 x 4.5
Clamping screws		M3	M3	M4
Strip insulation	mm	11	12	12
Clamping couple for electric screw-driver	Nm	0.8	0.8	1.5
Packing unit	pcs	50	50	50

Accessories see pages 1.1.71 to 1.1.107

Marking accessories		**3957/.**	8 labels	**3957/.**	8 labels	**3957/.**	8 labels
		3958/.	8 labels	**3958/.**	8 labels	**3958/.**	8 labels
		RB/6x12	2 labels	**RB/6x12**	2 labels	**RB/6x12**	2 labels

PA 66

- Metal body and clamping unit of nickel-plated brass
- Screws, springs and earthing part of stainless steel
- 4-figure marking on both sides
- Ex terminals also available (see Ex flyer)



Article numbers

Ratings		6-16 mm²	14-4 AWG				
UL 467 Short-Time Current Test		AWG4, 2450A during 6s.					
For terminals for polar conductor		3452/16					
green/yellow		**30544/16V**					

Technical data

Connecting capacity	mm	7.5 x 6.5					
Clamping screws		M5					
Central thread		M4					
Strip insulation	mm	13					
Clamping couple for electric screw-driver	Nm	2.1					
Packing unit	pcs	25					

Accessories see pages 1.1.71 to 1.1.107

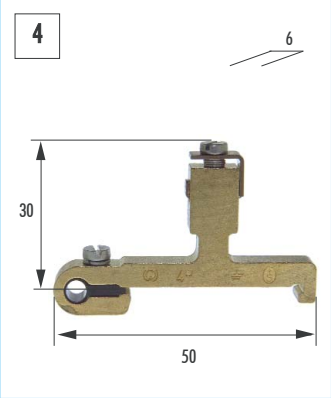
Marking accessories		**3957/.**	8 labels				
		3958/.	8 labels				
		RB/6x12	2 labels				

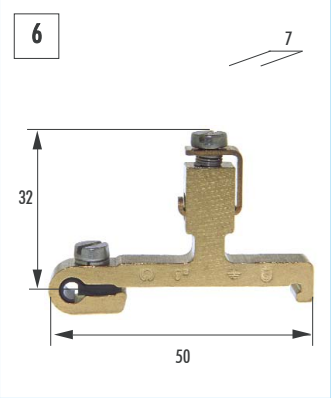
2

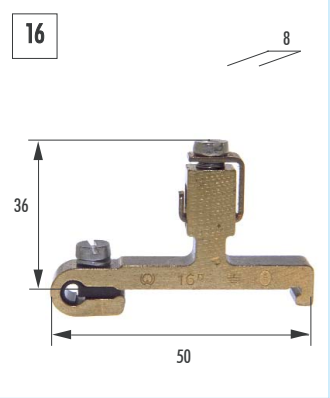
Bare earthing terminals with 1 terminal clamp

4-16 mm²

- Terminal of brass
- Screws and springs of stainless steel
- The connection between mounting rail and terminal as well as the connected conductors are protected against working loose







Article numbers

Ratings	1.5-4 mm²	2.5-6 mm²	6-16 mm²
For terminals for polar conductor	3450	3452/6	3452/16
bare	**30371**	**30372**	**30373**

Technical data

Connecting capacity	mm	4 x 3.2	4 x 5	7 x 5.8
Clamping screws		M3	M4	M4
Rail screws		M3	M4	M4
Strip insulation	mm	10	11	11
Clamping couple for electric screw-driver				
for clamping screws	Nm	0.8	1.5	1.5
for rail screws	Nm	0.8	1.0	1.5
Packing unit	pcs	50	50	50

Accessories see pages 1.1.71 to 1.1.107

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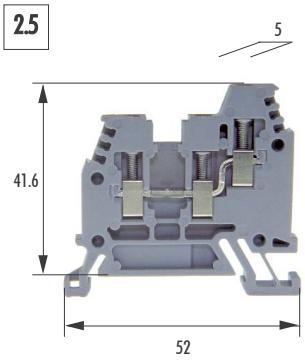
PA 66

- Clamping unit of nickel-plated brass
- Connecting bar of nickel-plated copper alloy
- Screws of stainless steel
- For insulated, recessed and separable cross-connections
- Marking facilities on both sides
- Ex terminals also available (see Ex flyer)

2.5



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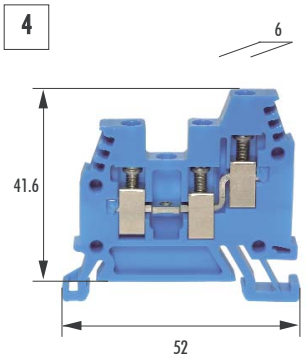


Article numbers

Ratings	0.5-2.5 mm² 800V/24A	18-14 AWG 600V/15A	0.5-4 mm² 800V/32A	18-12 AWG 600V/20A
grey	**30903GR**		**30904GR**	
blue	**30903BL**		**30904BL**	

Technical data

Connecting capacity	mm	2.5 x 3.2	3.2 x 4.6
Clamping screws		M2.5	M3
Central thread		M2.5	M3
Strip insulation	mm	9	9
Clamping couple for electric screw-driver	Nm	0.5	0.7
Packing unit	pcs	50	50

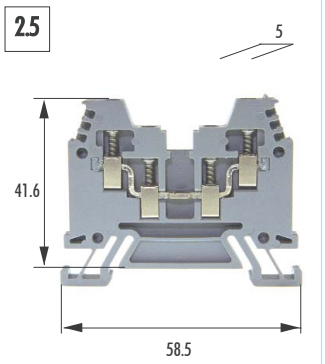
Accessories see pages 1.1.71 to 1.1.107

Test adaptors	**80247** **80248**		**80070** **2737**	
Marking accessories	**RBE5** **RB/5x9**	6 labels 2 labels	**3957/.** **3958/.** **RB/6x9**	6 labels 6 labels 2 labels
End barriers	**30913**		**30913**	
Stoppers	**3418**		**3418**	
Insulated cross-connections for 2, 3, 4, 5 or 10 terminals	**81505/2** **81505/3** **81505/4** **81505/5** **81505/10**		**81506/2** **81506/3** **81506/4** **81506/5** **81506/10**	
Connecting pins	**81505**		**81506**	
Links	**30408**		**81410L**	
Cross-junction racks	**30790**		**30791**	
Terminal covers for 4, 5, 6, 7 or 8 terminals	**81401/4** **81401/5** **81401/6** **81401/7** **81401/8**		**3886/4** **3886/5** **3886/6** **3886/7** **3886/8**	
Fastening screws	**08569**		**17402 / 01068**	
Sealing eyelets	**81440**		**81440**	
Covers to cross-connectors	**30421**		**30422**	

X-terminals

2.5 mm²

- Clamping unit of nickel-plated brass
- Connecting bar of nickel-plated copper alloy
- Screws of stainless steel
- For insulated, recessed and separable cross-connections
- Marking facilities on both sides
- Ex terminals also available (see Ex flyer)



Article numbers

Ratings		0.5-2.5 mm² 800V/24A	18-14 AWG 600V/15A				
grey		**30973GR**					
blue		**30973BL**					

Technical data

Connecting capacity	mm	2.5 x 3.2					
Clamping screws		M2.5					
Central thread		M2.5					
Strip insulation	mm	9					
Clamping couple for electric screw-driver	Nm	0.5					
Packing unit	pcs	50					

Accessories see pages 1.1.71 to 1.1.107

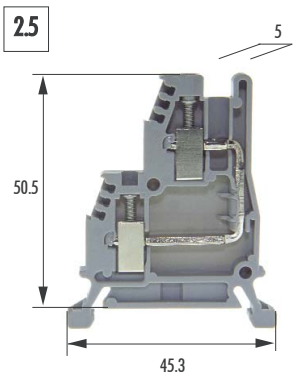
Test adaptors		**80247** **80248**					
Marking accessories		**RBE5** **RB/5x9**	6 labels 2 labels				
End barriers		**30983**					
Stoppers		**3418**					
Insulated cross-connections for 2, 3, 4, 5 or 10 terminals		**81505/2** **81505/3** **81505/4** **81505/5** **81505/10**					
Connecting pins		**81505**					
Links		**30408**					
Cross-junction racks		**30790**					
Terminal covers for 4, 5, 6, 7 or 8 terminals		**81401/4** **81401/5** **81401/6** **81401/7** **81401/8**					
Fastening screws		**08569**					
Sealing eyelets		**81440**					
Covers to cross-connectors		**30421**					

Return-terminal with two connections on the same side

2.5 mm²

PA 66

- Clamping unit of nickel-plated brass
- Connecting bar of nickel-plated copper alloy
- Screws of stainless steel
- For insulated, recessed and separable cross-connections
- Marking facilities on one side



Article numbers

Ratings		0.5-2.5 mm² 500V/24A	18-14 AWG 300V/15A			
grey		**30810**				

Technical data

Connecting capacity	mm	2.4 x 4				
Clamping screws		M2.5				
Thread of cross-junction		M2.5				
Strip insulation	mm	10				
Clamping couple for electric screw-driver	Nm	0.6				
Packing unit	pcs	100				

Accessories see pages 1.1.71 to 1.1.107

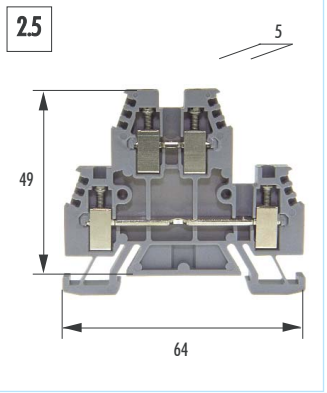
Test adaptors		**80247** **80248**				
Marking accessories		**RBE5** **RB/5x9**	6 labels 2 labels			
End barriers		**30811**				
Insulated cross-connections for 2, 3, 4, 5 or 10 terminals		**81525/2** **81525/3** **81525/4** **81525/5** **81525/10**				
Connecting pins		**81525**				

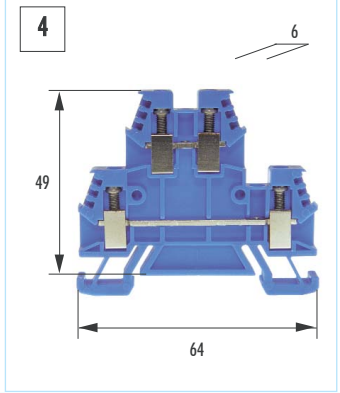
Two-step terminals

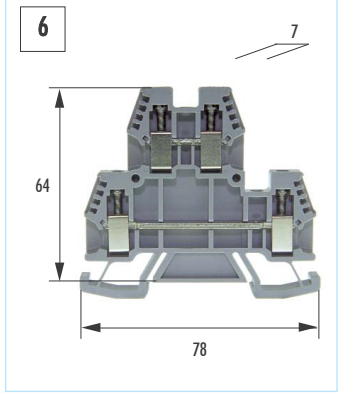
2.5-6 mm²

PA 66

- Clamping unit of nickel-plated brass
- Connecting bar of nickel-plated copper alloy
- Screws of stainless steel
- For insulated, recessed and separable cross-connections
- Marking facilities on both sides
- Ex terminals also available (see Ex flyer)







Article numbers

Ratings	0.5-2.5 mm² 500V/24A	22-14 AWG 300V/15A	0.5-4 mm² 500V/20A	22-12 AWG 300V/20A	0.5-6 mm² 500V/25A	18-8 AWG 300V/50A
grey	30860GR		3430GR		3410GR	
grey, top level with blue marking			3430GRBL			
blue	30860BL		3430BL		3410BL	
orange			3430OR			
green/yellow (insulated earthing conductor)			3430E			

Technical data

		2.5	4	6
Connecting capacity	mm	2.3 x 3.7	3.2 x 5	3.8 x 5.7
Clamping screws		M2.5	M3	M3
Thread of cross-junction		M2.5	M3	M3
Strip insulation	mm	10	10	9
Clamping couple for electric screw-driver	Nm	0.6	0.7	0.7
Packing unit	pcs	50	50	50

Accessories see pages 1.1.71 to 1.1.107

Test adaptors	80247 80248		80070 2737 80222/6		80070 2737	
Marking accessories	RBE5 RB/5x9	12 labels 4 labels	3957/. 3958/. RB/6x9	12 labels 12 labels 4 labels	3957/. 3958/. RB/6x12	16 labels 16 labels 4 labels
End barriers	3431		3431		3411	
Partitions	3432		3432		3412	
Push-in barriers	80254		80254		/	
Stop pieces	30199		30199		30199	
Insulated cross-connections for 2, 3, 4, 5 or 10 terminals	81525/2 81525/3 81525/4 81525/5 81525/10		81526/2 81526/3 81526/4 81526/5 81526/10		81507/2 81507/3 81507/4 81507/5 81507/10	
Connecting pins	81525		81526		81506	
Links	30408		30441		81452L	
Cross-junction racks	30790		30791		/	
Terminal covers for 4, 5, 6, 7 or 8 terminals	81401/4 81401/5 81401/6 81401/7 81401/8		3894/4 3894/5 3894/6 3894/7 3894/8		3826/4 3826/5 3826/6 3826/7 3826/8	
Fastening screws	08569		01062		17402 / 01068	
Sealing eyelets	81440		81440		81440	
Sealing screws	/		3512		3512	
Covers to cross-connectors	30421		30421		/	

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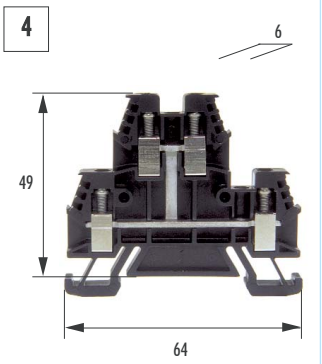
PA 66

- Clamping unit of nickel-plated brass
- Connecting bar of nickel-plated copper alloy
- Screws of stainless steel
- For insulated, recessed and separable cross-connections
- Marking facilities on both sides
- Top and bottom bars are connected: the 4 connecting points at the same potential
- Ex terminals also available (see Ex flyer)



Article numbers

Ratings		0.5-4 mm² 500V/20A	18-12 AWG 300V/20A				
black		3430/1P					
blue		3430/1PBL					

Technical data

Connecting capacity	mm	3.2 x 5					
Clamping screws		M3					
Thread of cross-junction		M3					
Strip insulation	mm	10					
Clamping couple for electric screw-driver	Nm	0.7					
Packing unit	pcs	50					

Accessories see pages 1.1.71 to 1.1.107

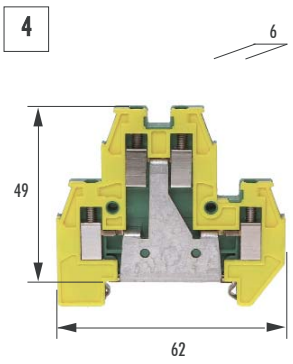
Test adaptors		80070 2737 80222/6					
Marking accessories		3957/. 3958/. RB/6x9	12 labels 12 labels 4 labels				
End barriers		3431					
Partitions		3432					
Push-in barriers		80254					
Stop pieces		30199					
Insulated cross-connections for 2, 3, 4, 5 or 10 terminals		81526/2 81526/3 81526/4 81526/5 81526/10					
Connecting pins		81526					
Links		30441					
Cross-junction racks		30791					
Terminal covers for 4, 5, 6, 7 or 8 terminals		3894/4 3894/5 3894/6 3894/7 3894/8					
Fastening screws		01062					
Sealing eyelets		81440					
Sealing screws		3512					
Covers to cross-connections		30421					

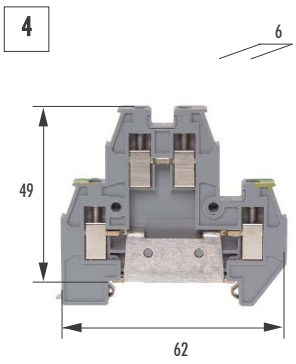
Two-step earthing terminals

4 mm²

PA 66

- Metal body, clamping unit and connecting bar of nickel-plated brass
- Screws, springs and earthing part of stainless steel
- Marking facilities on both sides





* only for 3430/4GRV

Article numbers

Ratings	0.5-4 mm²	18-12 AWG	0.5-4 mm² 500V/32A	18-12 AWG 300V/20A
For terminals for polar conductor	30860/3430 with 4 earthing connections		30860/3430 with 2 polar and 2 earthing connections	
green/yellow (PE)	**3430/4V**			
grey with geen/yellow marking (LPE)			**3430/4GRV**	

Technical data

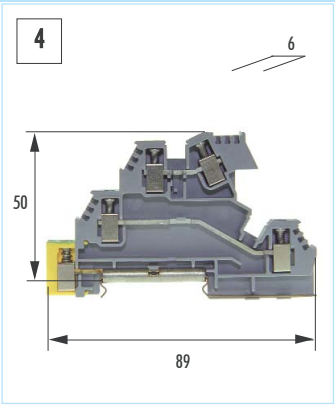
Connecting capacity	mm	3.2 x 5	3.2 x 5
Clamping screws		M3	M3
Strip insulation	mm	7	7
Clamping couple for electric screw-driver	Nm	0.7	0.7
Packing unit	pcs	50	50

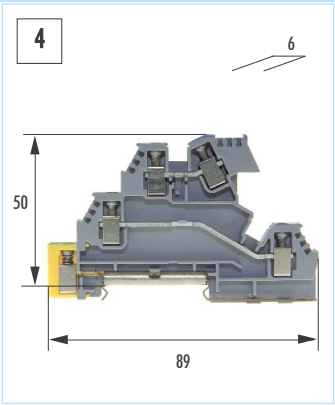
Accessories see pages 1.1.71 to 1.1.107

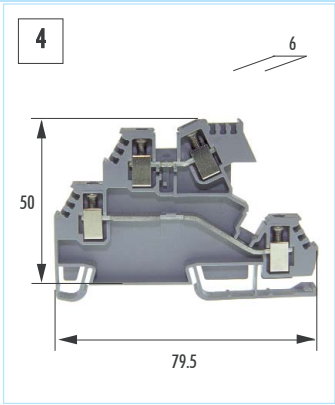
Marking accessories	**3957/.**	12 labels	**3957/.**	12 labels
	3958/.	12 labels	**3958/.**	12 labels
	RB/6x9	4 labels	**RB/6x9**	4 labels
End barriers			**3431**	
Partitions			**3432**	
Push-in barriers			**80254**	
Stop pieces			**30199**	

PA 66

- Clamping unit of nickel-plated brass
- Connecting bars of nickel-plated copper alloy
- Screws and earthing part of stainless steel
- For insulated, recessed and separable cross-connections
- Marking facilities on both sides
- 30431/. earthing conductor connected to rail, 30432 two-step terminal without connection for earthing conductor







Article numbers

Ratings	0.5-4 mm² 400V/34A	24-12 AWG 300V/20A	0.5-4 mm² 400V/34A	24-12 AWG 300V/20A	0.5-4 mm² 400V/34A	24-12 AWG 300V/20A
	PE L N, with blue front		PE L L		L L, with plastic base	
grey	**30431/1**		**30431/2**		**30432**	

Technical data

Connecting capacity	mm	3.1 x 3.4	3.1 x 3.4	3.1 x 3.4
Clamping screws		M3	M3	M3
Thread of cross-junction		M2.5	M2.5	M2.5
Strip insulation	mm	8.5	8.5	8.5
Clamping couple for electric screw-driver	Nm	0.7	0.7	0.7
Packing unit	pcs	50	50	50

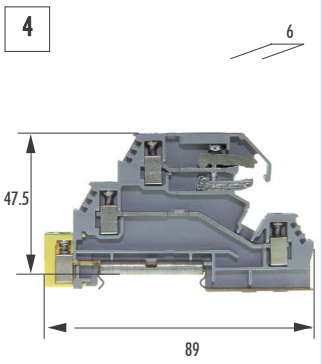
Accessories see pages 1.1.71 to 1.1.107

Test adaptors	**80247** **80248**		**80247** **80248**		**80247** **80248**	
Marking accessories	**3957/.** **3958/.** **RB/6x9**	12 labels 12 labels 4 labels	**3957/.** **3958/.** **RB/6x9**	12 labels 12 labels 4 labels	**3957/.** **3958/.** **RB/6x9**	12 labels 12 labels 4 labels
End barriers	**30438**		**30438**		**30438**	
Stoppers	**3418**		**3418**		**3418**	
Insulated cross-connections for 2, 3, 4, 5 or 10 terminals	**81536/2** **81536/3** **81536/4** **81536/5** **81536/10**		**81536/2** **81536/3** **81536/4** **81536/5** **81536/10**		**81536/2** **81536/3** **81536/4** **81536/5** **81536/10**	
Connecting pins	**81536**		**81536**		**81536**	
Links	**30441**		**30441**		**30441**	

Three-step installation terminal

4 mm², with detachable neutral connector

- Clamping unit of nickel-plated brass
- Connecting bars of nickel-plated copper alloy
- Screws and earthing part of stainless steel
- For insulated, recessed and separable cross-connections
- Marking facilities on both sides
- earthing conductor connected to rail



Article numbers

Ratings		0.5-4 mm²	24-12 AWG				
		400V/34A	300V/20A				
		PE L N, with blue front					
grey		**30430**					

Technical data

Connecting capacity	mm	3.1 x 3.4					
Clamping screws		M3					
Thread of cross-junction		M2.5					
Strip insulation	mm	8.5					
Clamping couple for electric screw-driver	Nm	0.7					
Packing unit	pcs	50					

Accessories see pages 1.1.71 to 1.1.107

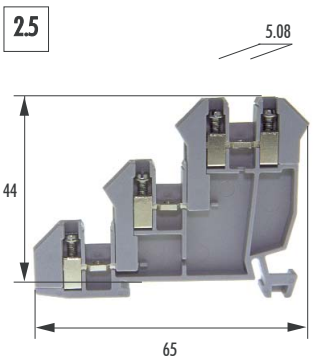
Test adaptors		**80247** **80248**					
Marking accessories		**3957/.** **3958/.** **RB/6x9**	9 labels 9 labels 3 labels				
End barriers		**30439**					
Stoppers		**3418**					
Insulated cross-connections for 2, 3, 4, 5 or 10 terminals		**81536/2** **81536/3** **81536/4** **81536/5** **81536/10**					
Connecting pins		**81536**					
Links		**30441**					
Busbars of tinned electrolytic copper length 1 m							
10 x 2 mm		**3859**					
10 x 3 mm		**3856**					

Three-step terminal for proximity switches

2.5 mm²

PA 66

- Clamping unit of nickel-plated brass
- Connecting bars of nickel-plated copper alloy
- Screws of stainless steel
- 4-figure marking



Article numbers

Ratings	0-2.5 mm² 250V/16A	26-14 AWG 300V/10A
grey	**30400**	

Technical data

Connecting capacity	mm	2.4 x 3
Clamping screws		M2.5
Thread of cross-junction		M2.5
Strip insulation	mm	7
Clamping couple for electric screw-driver	Nm	0.5
Packing unit	pcs	100

Accessories see pages 1.1.71 to 1.1.107

Test adaptors	**80247** **80248**	
Marking accessories	**RB/5x5**	4 labels
End barriers	**30406**	
Stoppers	**3418**	
Insulated cross-connections for 2, 3, 4, 5 or 10 terminals	**81535/2** **81535/3** **81535/4** **81535/5** **81535/10**	
Connecting pins	**81535**	
Links	**30408**	
Cross-junction racks		
20-part, red	**30413RO**	
20-part, blue	**30413BL**	
22-part, red	**30414RO**	
22-part, blue	**30414BL**	

Technical information

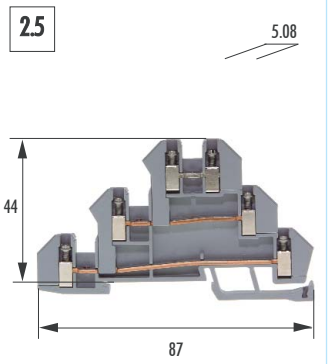
This three-step terminal for proximity switches which can be clipped on to mounting rail is only 5.08 mm wide and enables thus compact junction blocks to be realized. Both lower levels are intended for the positive and negative conductors of a proximity switch; they are connected to the power supply by means of cross-connection links.

Three-step terminal for proximity switches

2.5 mm² - feed terminal

PA 66

- Clamping unit of nickel-plated brass
- Connecting bars of nickel-plated copper alloy
- Screws of stainless steel
- 6-figure marking



Article numbers

Ratings	0-2.5 mm² 380V/16A	26-14 AWG 300V/10A
grey	30403	

Technical data

Connecting capacity	mm	2.4 x 3
Clamping screws		M2.5
Thread of cross-junction		M2.5
Strip insulation	mm	7
Clamping couple for electric screw-driver	Nm	0.5
Packing unit	pcs	50

Accessories see pages 1.1.71 to 1.1.107

Test adaptors	80247 80248	
Marking accessories	RB/5x5	6 labels
End barriers	30407	
Stoppers	3418	
Insulated cross-connections for 2, 3, 4, 5 or 10 terminals	81535/2 81535/3 81535/4 81535/5 81535/10	
Connecting pins	81535	
Links	30408	
Cross-junction racks		
20-part, red	30413RO	
20-part, blue	30413BL	
22-part, red	30414RO	
22-part, blue	30414BL	

Technical information

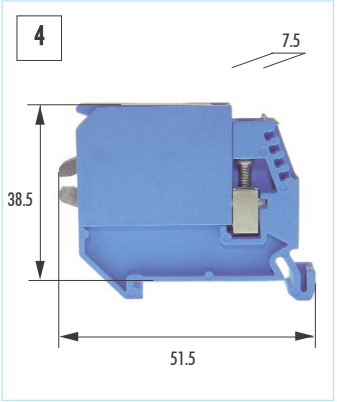
This special terminal is used for feeding a set of terminals for proximity switches. It is meant for receiving the feed line on the one hand and the cross-links to the terminals for proximity switches on the other hand.

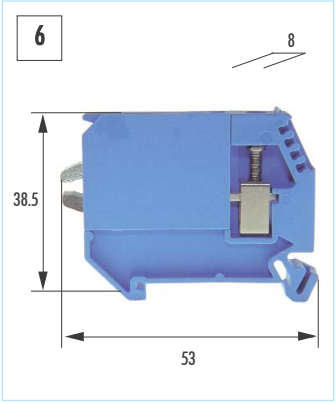
Detachable neutral connectors/Neutral disconnecting terminals

20 and 25 A, 4+6 mm², for terminals type 30150

PA 66

- Clamping parts of nickel-plated brass
- Screws of corrosion-resistant steel
- With protective cover which indicates the state of the connection
- 4-figure marking on one side
- The busbar to which the clamping jaws fold back is at the same height in case of 4 and 6 mm² terminals





Connection on the opposite side of the busbar for neutral conductor

Article numbers

Ratings	0.5-4 mm² 750V/20A		0.5-6 mm² 750V/25A	
pale blue	**30290**		**30291**	

Technical data

Connecting capacity	mm	3.1 x 4	3.6 x 5
Clamping screws		M3	M3
Strip insulation	mm	11	14
Clamping couple for electric screw-driver	Nm	0.8	0.8
Packing unit	pcs	25	25

Accessories see pages 1.1.71 to 1.1.107

Marking accessories	**3957/.**	4 labels	**3957/.**	4 labels
	3958/.	4 labels	**3958/.**	4 labels
	RB/6x12	1 label	**RB/6x12**	1 label
Partitions	**30296**		**30297**	
Stoppers	**3418**		**3418**	
Stop pieces	**30199**		**30199**	
Terminals to busbar for neutral conductors				
for copper conductors 10-16mm² rigid	**3838**		**3838**	
for copper conductors 25-35mm² flexible	**3839**		**3839**	
Busbars for neutral conductors of tinned electrolytic copper length 1 m				
10 x 2 mm	**3859**		**3859**	
10 x 3 mm	**3856**		**3856**	
Covers to busbars for neutral conductors	**81445**		**81445**	
Cover clips	**81446**		**81446**	

Earthing, subdivision of the PEN conductor: see page 1.1.9

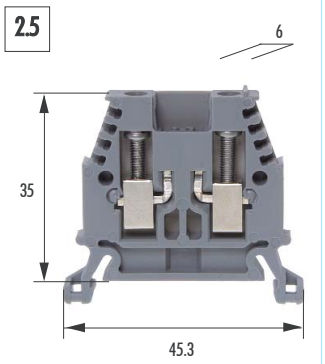
2

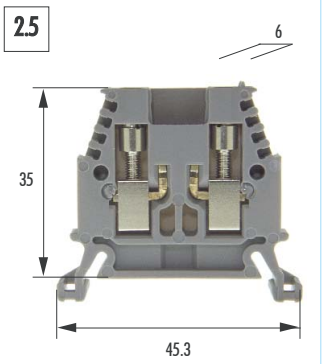
Disconnecting terminals for plugs

2.5 mm², for terminals type 30150

PA 66

- Clamping parts of nickel-plated brass
- Slotted screws of stainless steel
- Screws and sockets of silver-plated brass
- 4-figure marking on both sides
- designed for disconnecting plug, fuse plug, diode plug
- Plugs have to be ordered separately





Never handle the plugs when live!

Article numbers

Ratings	0.5-2.5 mm² 800V/24A 18-14 AWG 600V/20A with 2 slotted screws		0.5-2.5 mm² 800V/24A 18-14 AWG 600V/20A with 2 screws and sockets Inside diameter 2.3 mm	
grey	**30800**		**30800P**	

Technical data

Connecting capacity	mm	3.1 x 3.2	3.1 x 3.2
Clamping screws		M3	M3
Strip insulation	mm	9	9
Clamping couple for electric screw-driver	Nm	0.6	0.6
Packing unit	pcs	50	50

Accessories see pages 1.1.71 to 1.1.107

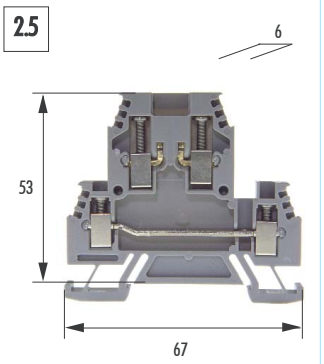
Test adaptors (only for disconnecting plug 3821)	/		**3772**	
Marking accessories	**3957/.**	8 labels	**3957/.**	8 labels
	3958/.	8 labels	**3958/.**	8 labels
	RB/6x12	2 labels	**RB/6x12**	2 labels
End barriers	**3460**		**3460**	
Partitions	**3461**		**3461**	
Stoppers	**3418**		**3418**	
Stoppers	**30370**		**30370**	
Stop pieces	**30199**		**30199**	
Disconnecting plugs	**3821**		**3821**	
Fuse plugs				
- without indicator	**30134**			
- with LED 24V	**30134/24**			
- with LED 230V	**30134/230**			
Diode plug	**30133**			
Diode plug	**30205**			
Empty component plug	**30132**			

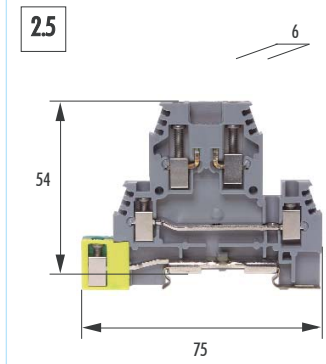
Two-step terminals with disconnecting function

for plugs and cross-connections, 2.5 mm², for terminals type 30150

PA 66

- Clamping part and connecting bar of nickel-plated brass
- Screws and earthing part of stainless steel
- 2x3-figure marking on both sides
- designed for disconnecting plug, fuse plug, diode plug and for cross-connections
- Plugs and cross-connections have to be ordered separately





Never handle the plugs when live!

Article numbers

Ratings	0.5-2.5 mm² 500V/24A	18-14 AWG 300V/20A	0.5-2.5 mm² 500V/24A	18-14 AWG 300V/20A
	without ground connection		with ground connection	
grey	30890		30891	

Technical data

Connecting capacity	mm	3.8 x 3.1	3.8 x 3.1
Clamping screws		M3	M3
Thread of cross-junction		M3	M3
Strip insulation	mm	8	8
Clamping couple for electric screw-driver	Nm	0.6	0.6
Packing unit	pcs	50	50

Accessories see pages 1.1.71 to 1.1.107

Test adaptors (only for lower level)	80070 2737		80070 2737	
Marking accessories	3957/. 3958/. RB/6x9	12 labels 12 labels 4 labels	3957/. 3958/. RB/6x9	12 labels 12 labels 4 labels
End barriers	30892		30892	
Partitions	30893		30893	
Stoppers	3418		3418	
Stoppers	30370		30370	
Stop pieces	30199		30199	
Insulated cross-connections for 2, 3, 4, 5 or 10 terminals	81526/2 81526/3 81526/4 81526/5 81526/10		81526/2 81526/3 81526/4 81526/5 81526/10	
Connecting pins	81526		81526	
Links	30441		30441	
Cross-junction racks	30791		30791	
Disconnecting plugs	3821		3821	
Fuse plugs				
- without indicator	30134		30134	
- with LED 24V	30134/24		30134/24	
- without LED 230V	30134/230		30134/230	
Diode plug	30133		30133	
Diode plug	30205		30205	
Empty component plug	30132		30132	

Technical information

Upper level with disconnecting function and lower level for cross-connections

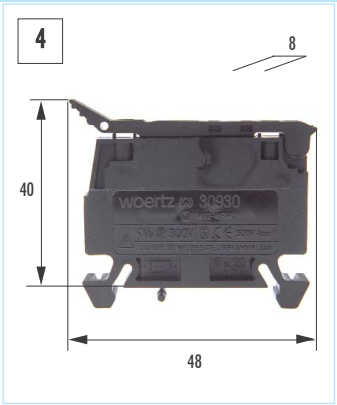
2

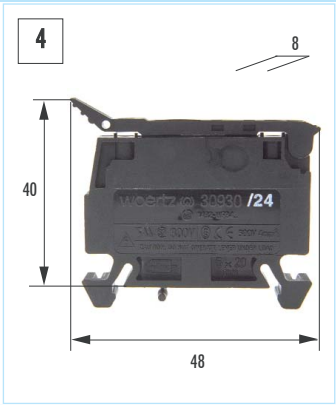
Enclosed miniature fuse terminals

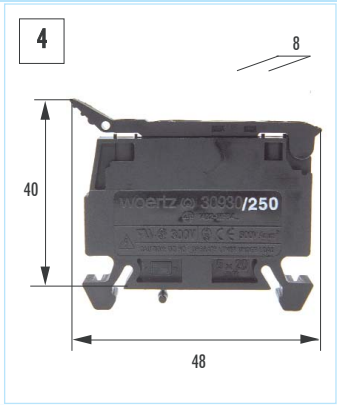
4 mm², for fuses 5 x 20 mm

PA 66

- Clamping part and connecting bar of nickel-plated brass
- Screws and springs of stainless steel
- Fuse-holders may be locked in open position
- An easy breakable peg at the bottom part enables two fuse-holders to be joined together
- Delivered without fuse
- Never handle the fuse-holder when live!
- With LED to indicate damaged fuse







Article numbers

Ratings	0.5-4 mm² 500V/6.3A 22-12 AWG 300V/10A without indicator		0.5-4 mm² 500V/6.3A 22-12 AWG 300V/10A with indicator LED 24V for fuse 24V in fuse-holder		0.5-4 mm² 500V/6.3A 22-12 AWG 300V/10A with indicator LED 230V for fuse 250V in fuse-holder	
black	**30930**		**30930/24**		**30930/250**	

Technical data

Connecting capacity	mm	3.1 x 4.2	3.1 x 4.2	3.1 x 4.2
Clamping screws		M3	M3	M3
Max. nominal current (fuse)	A	6.3	6.3	6.3
Operating voltage	V	/	10-57 V AC/DC	85-264 V AC
Strip insulation	mm	8	8	8
Clamping couple for electric screw-driver	Nm	0.6	0.6	0.6
Packing unit	pcs	50	50	50

Accessories see pages 1.1.71 to 1.1.107

Marking accessories	**3957/.**	4 labels	**3957/.**	4 labels	**3957/.**	4 labels
on narrow side	**3958/.**	4 labels	**3958/.**	4 labels	**3958/.**	4 labels
	RB/8x12	1 label	**RB/8x12**	1 label	**RB/8x12**	1 label
on fuse-holder	**RB/6x9**	1 label	**RB/6x9**	1 label	**RB/6x9**	1 label
Partitions	**30321**		**30321**		**30321**	
Stoppers	**3418**		**3418**		**3418**	
Stop pieces	**30199**		**30199**		**30199**	
Cross-junction racks insulated	**30798**		**30798**		**30798**	

Technical information

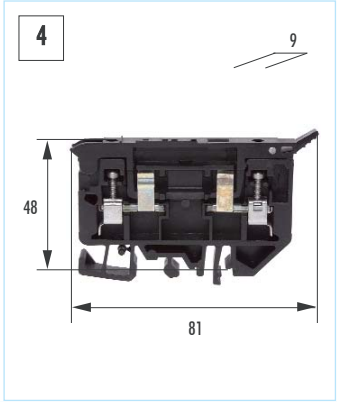
In a single fuse terminal, a heavier load is possible than in a bloc of several fuse terminals strung together that heat each other up. This source of heat has to be taken into account when planning.

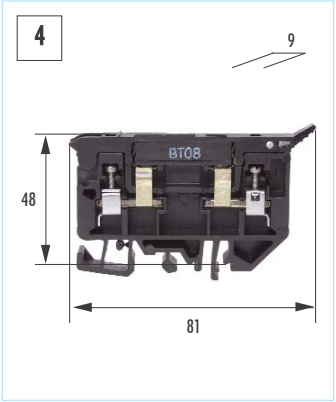
Fuse terminals, one side open

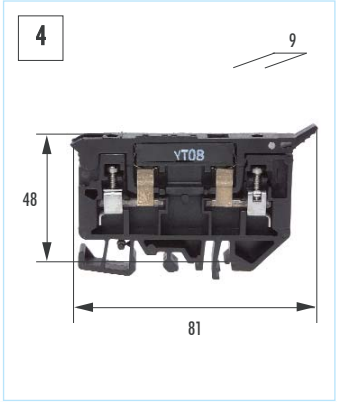
4 mm², for fuses 1/4" x 1 1/4" (6.3 x 32 mm)

PA 66

- Clamping parts, screws and springs of stainless steel
- Fuse-holders may be locked in open position
- An easy breakable peg at the bottom part enables two fuse-holders to be joined together
- The fuse-holder should only be handled when the open side is protected
- Delivered without fuse
- Never handle the fuse-holder when live!
- With LED to indicate damaged fuse







Article numbers

Ratings	0.5-4 mm² 500V/10A 22-12 AWG 300V/12A without indicator		0.5-4 mm² 500V/10A 22-12 AWG 300V/12A with indicator LED 24V for fuse 24V in fuse-holder		0.5-4 mm² 500V/10A 22-12 AWG 300V/12A with indicator LED 230V for fuse 250V in fuse-holder	
black	**30935**		**30935/24**		**30935/250**	

Technical data

Connecting capacity	mm	3.1 x 3.6	3.1 x 3.6	3.1 x 3.6
Clamping screws		M3	M3	M3
Max. nominal current (fuse)	A	12	12	12
Operating voltage	V	/	10-57 V AC/DC	85-264 V AC
Strip insulation	mm	10	10	10
Clamping couple for electric screw-driver	Nm	0.8	0.8	0.8
Packing unit	pcs	50	50	50

Accessories see pages 1.1.71 to 1.1.107

Marking accessories on fuse-holder	**RB/8x9**	2 labels	**RB/8x9**	2 labels	**RB/8x9**	2 labels
End barriers	**30945**		**30945**		**30945**	
Stoppers	**3418**		**3418**		**3418**	
Cross-junction racks bare	**30790/9**		**30790/9**		**30790/9**	
Insulation for cross-junction racks	**30790/9IS**		**30790/9IS**		**30790/9IS**	

Technical information

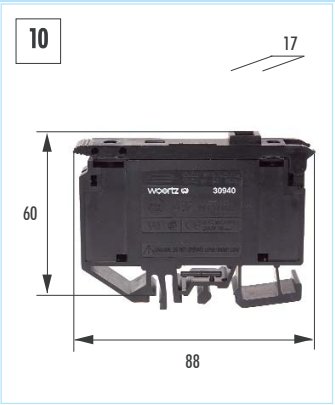
In a single fuse terminal, a heavier load is possible than in a bloc of several fuse terminals strung together that heat each other up. This source of heat has to be taken into account when planning.

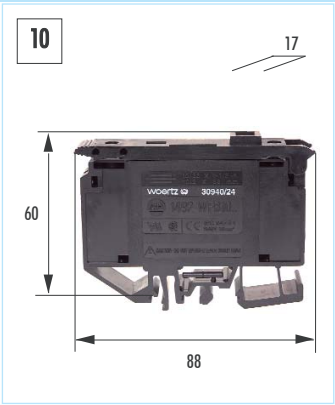
Enclosed fuse terminals

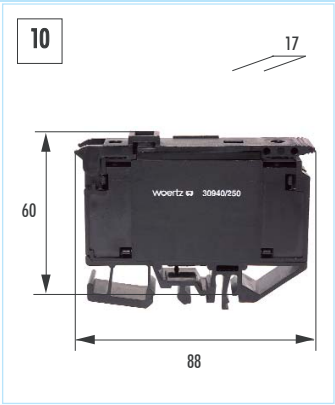
10 mm², for fuses 13/32" x 1 1/2" (10.3 x 38 mm)

PA 66

- Clamping parts, screws and springs of stainless steel
- Fuse-holders may be locked in open position
- An easy breakable peg at the bottom part enables two fuse-holders to be joined together
- Delivered without fuse
- Never handle the fuse-holder when live!
- With LED to indicate damaged fuse







Article numbers

Ratings	0.5-10 mm² 18-8 AWG 600V/30A without indicator		0.5-10 mm² 18-8 AWG 600V/30A with indicator LED 24V for fuse 24V in fuse-holder		0.5-10 mm² 18-8 AWG 600V/30A with indicator LED 230V for fuse in fuse-holder	
black	**30940**		**30940/24**		**30940/250**	

Technical data

Connecting capacity	mm	6.7 x 6.2	6.7 x 6.2	6.7 x 6.2
Clamping screws		M5	M5	M5
Max. nominal current (fuse)	A	30	30	30
Operating voltage	V	/	10-57 V AC/DC	100-300 V AC
Strip insulation	mm	13	13	13
Clamping couple for electric screw-driver	Nm	2.2	2.2	2.2
Packing unit	pcs	10	10	10

Accessories see pages 1.1.71 to 1.1.107

Marking accessories on fuse-holder		**adhesive labels**		**adhesive labels**		**adhesive labels**	
Stoppers		**3418**		**3418**		**3418**	
Stop pieces		**30199**		**30199**		**30199**	
Cross-junction racks, insulated		**30790/17**		**30790/17**		**30790/17**	

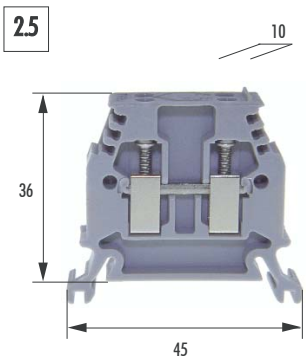
Technical information

In a single fuse terminal, a heavier load is possible than in a bloc of several fuse terminals strung together that heat each other up. This source of heat has to be taken into account when planning.

CE

PA 66

- Twin terminal, grey
- 4 clamping parts of nickel-plated brass
- 2 connecting bars made of the same metal as the thermocouple
- Screws of stainless steel
- Marking facilities on both sides



Article numbers

Ratings	0.2-2.5 mm²	28-14 AWG
Nickel chrome/Constantan NiCr/CuNi	**30880E**	
Iron/Constantan Fe/CuNi	**30880J**	
Nickel chrome/Nickel NiCr/Ni	**30880K**	
Copper/constantan Cu/CuNi	**30880T**	

Technical data

Connecting capacity	mm	2.4 x 4.7
Clamping screws		M2.5
Strip insulation	mm	10
Clamping couple for electric screw-driver	Nm	0.6
Packing unit	pcs	50

Accessories see pages 1.1.71 to 1.1.107

Marking accessories	**RB/5x9**	4 labels
End barriers	**3460**	
Partitions	**3461**	

2

Technical information

In shunt circuits with thermocouples, the cables and the terminals have to be made of materials with the same electric strength as the thermocouples.

The two connecting bars of these terminals therefore have to be made of the same materials as the thermocouples.

Our thermocouple terminals are in accordance with these requirements, and the character following the article number indicates the type.

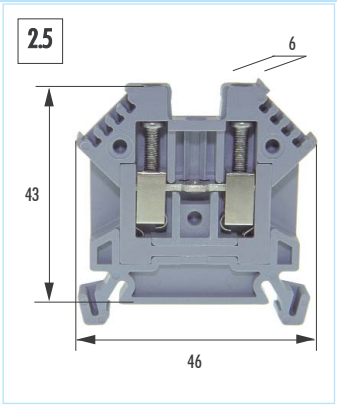
Terminals for stringent demands

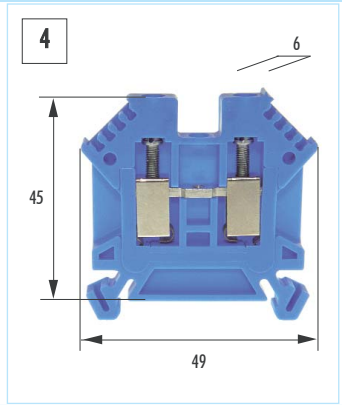
2.5-6 mm²

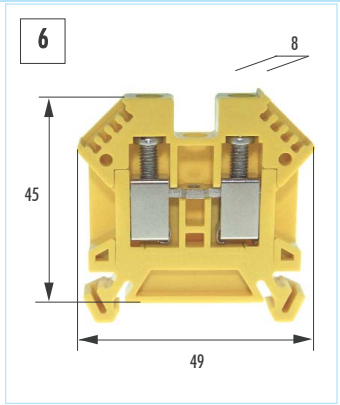
CE EN 60947-7-1

PA 66

- Clamping parts of nickel-plated brass
- Connecting bar of nickel-plated copper alloy
- Screws and springs of stainless steel
- with additional springs for protection against working loose (see picture)
- For insulated, recessed and separable cross-connections
- 4-figure marking on both sides
- Earthing terminals with connection to mounting rail: see pages 1.1.41-1.1.44
- Ex terminals also available (see Ex flyer)







Article numbers

Ratings	0.5-2.5 mm² 1000V/24A	22-12 AWG 600V/20A	0.5-4 mm² 1000V/32A	18-12 AWG 600V/20A	0.5-6 mm² 1000V/41A	18-8 AWG 600V/50A
grey	**30128GR**		**3424GR**		**3425GR**	
blue	**30128BL**		**3424BL**		**3425BL**	
green/yellow (Insulated earthing conductor)	**30128E**		**3424E**		**3425E**	

Technical data

Connecting capacity	mm	3.2 x 4.2	3.4 x 6	4.5 x 6	additional spring
Clamping screws		M3	M3	M4	
Central thread		M3	M3	M3	
Strip insulation	mm	10	10	11	
Clamping couple for electric screw-driver	Nm	0.7	0.7	1.5	
Packing unit	pcs	50	50	50	

Accessories see pages 1.1.71 to 1.1.107

Test adaptors	**80070**		**80070**		**80070**	
	2737		**2737**		**2737**	
Marking accessories	**3957/.**	8 labels	**3957/.**	8 labels	**3957/.**	8 labels
	3958/.	8 labels	**3958/.**	8 labels	**3958/.**	8 labels
	RB/6x12	2 labels	**RB/6x12**	2 labels	**RB/6x12**	2 labels
End barriers	**30112**		**3516**		**3516**	
Partitions	**3506**		**3506**		**3506**	
Push-in barriers	**80255**		**80255**		**80255**	
Stoppers	**3418**		**3418**		**3418**	
Stoppers	**30370**		**30370**		**30370**	
Stop pieces	**30199**		**30199**		**30199**	
Insulated cross-connections for 2, 3, 4, 5 or 10 terminals	**81546/2**		**81556/2**		**81548/2**	
	81546/3		**81556/3**		**81548/3**	
	81546/4		**81556/4**		**81548/4**	
	81546/5		**81556/5**		**81548/5**	
	81546/10		**81556/10**		**81548/10**	
Connecting pins	**81546**		**81556**		**81548**	
Links	**81410L**		**81410L**		**81412L**	
Cross-junction racks	**30790**		**30791**		**30792**	
Terminal covers for 4, 5, 6, 7 or 8 terminals	**81427**		**3886/4**		**3887/4**	
	81428		**3886/5**		**3887/5**	
	81429		**3886/6**		**3887/6**	
	81430		**3886/7**		**3887/7**	
	81431		**3886/8**		**3887/8**	
Fastening screws	**17402**		**01068**		**01068**	
Sealing eyelets	**81440**		**81440**		**81440**	
Sealing screws	/		**3512**		**3512**	
Covers to cross-connectors	**30422**		**30422**		**30422**	

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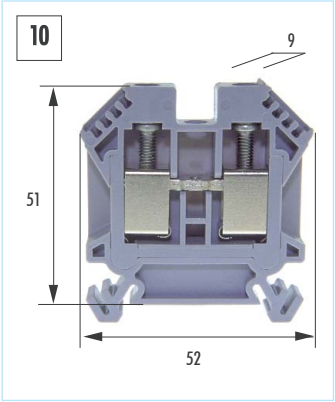
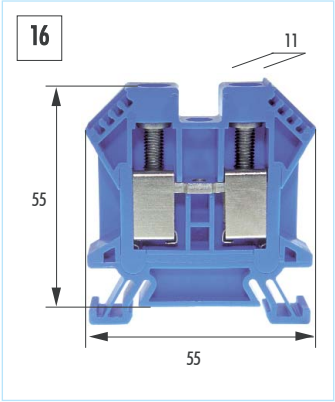
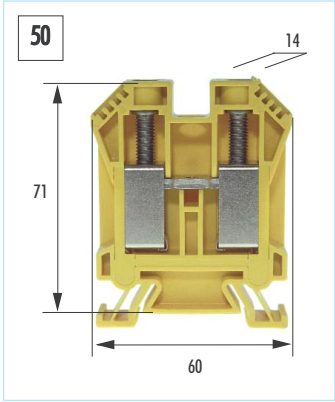
PA 66

- Clamping parts of nickel-plated brass
- Connecting bar of nickel-plated copper alloy
- Screws and springs of stainless steel
- with additional springs for protection against working loose (see picture)
- For insulated, recessed and separable cross-connections
- 4-figure marking on both sides
- Earthing terminals with connection to mounting rail: see pages 1.1.41-1.1.44
- Ex terminals also available (see Ex flyer)







Article numbers

Ratings	1-10 mm² 1000V/57A	18-6 AWG 600V/63A	1.5-16 mm² 1000V/76A	14-4 AWG 600V/70A	2.5-50 mm² 1000V/125A	14-1/0 AWG 600V/125A
grey	**3426GR**		**3427GR**		**3428GR**	
blue	**3426BL**		**3427BL**		**3428BL**	
green/yellow (Insulated earthing conductor)	**3426E**		**3427E**		**3428E**	

Technical data

Connecting capacity	mm	5.8 x 7.5	7.3 x 8.6	9.6 x 14.6
Clamping screws		M4	M5	M6
Central thread		M3	M4	M4
Strip insulation	mm	13	13	17
Clamping couple for electric screw-driver	Nm	1.5	2.5	2.5
Packing unit	pcs	25	25	20

Accessories see pages 1.1.71 to 1.1.107

Test adaptors	**80070** **2737**		**80071**		**80071**	
Marking accessories	**3957/.**	8 labels	**3957/.**	8 labels	**3957/.**	8 labels
	3958/.	8 labels	**3958/.**	8 labels	**3958/.**	8 labels
	RB/6x12	2 labels	**RB/6x12**	2 labels	**RB/6x12**	2 labels
End barriers	**3517**		**3518**		**3519**	
Partitions	**3507**		**3508**		**3509**	
Stoppers	**3418**		**3418**		**3418**	
Stoppers	**30370**		**30370**		**30370**	
Stop pieces	**30199**		**30199**		**30199**	
Insulated cross-connections for 2, 3, 4, 5 or 10 terminals	**81549/2**		**81501/2**		**81504/2**	
	81549/3		**81501/3**		**81504/3**	
	81549/4		**81501/4**		**81504/4**	
	81549/5		**81501/5**		**81504/5**	
	81549/10		**81501/10**		**81504/10**	
Connecting pins	**81549**		**81501**		**81504**	
Links	**81413L**		**81414L**		**81415L**	
Terminal covers for 4, 5, 6, 7 or 8 terminals	**3867/4**		**3868/4**		**3869/4**	
	3867/5		**3868/5**		**3869/5**	
	3867/6		**3868/6**		**3869/6**	
	3867/7		**3868/7**		**3869/7**	
	3867/8		**3868/8**		**3869/8**	
Fastening screws	**01068**		**01162**		**01165**	
Sealing eyelets	**81440**		**81441**		**81441**	
Sealing screws	**3512**		/		/	
Covers to cross-connectors	**30422**		/		/	

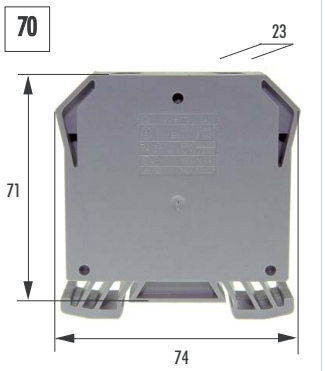
Terminals for stringent demands

70 mm², enclosed

CE EN 60947-7-1

PA 66

- Clamping screws and springs for protection against working loose
- Rectangular profile of nickel-plated brass with 2 pressure parts
- Pressure parts, sprung captive Allen screws and springs of stainless steel
- 4-figure marking on both sides
- Ex terminals also available (see Ex flyer)



With through brass profile and 2 pressure parts

Article numbers

Ratings	4-70 mm²	4-3/0 AWG			
	*	600V/200A	*	1000V/192A	for overvoltage class III
				830V/192A	for overvoltage class IV
grey	**3429GR**				
blue	**3429BL**				

Technical data

Connecting capacity	mm	14.5 x 14.5
Clamping screws		M8 Allen / key size 6
Strip insulation	mm	26
Clamping couple for electric screw-driver	Nm	15.0
Packing unit	pcs	10

Accessories see pages 1.1.71 to 1.1.107

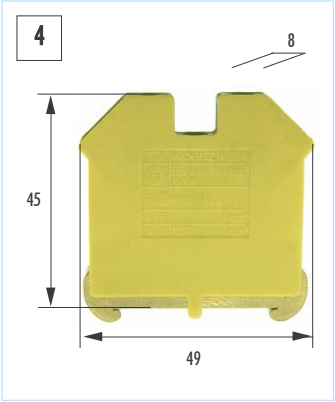
Marking accessories	**3957/.**	8 labels
	3958/.	8 labels
	RB/6x12	2 labels
Stoppers	**3418**	
Stoppers	**30370**	
Stop pieces	**30199**	

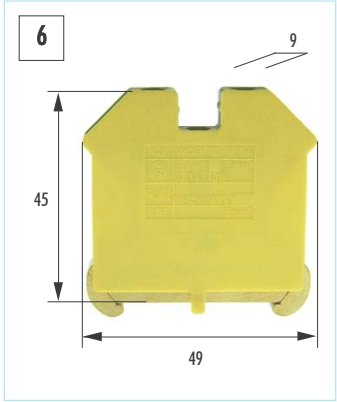
Enclosed earthing terminals for stringent demands

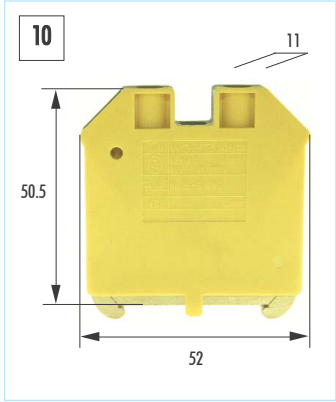
4-10 mm², for terminals type 30128

PA 66

- Terminal and pressure part of brass
- Screws and springs of stainless steel
- 4-figure marking on both sides
- The connection between mounting rail and terminal as well as the connected conductors are protected against working loose
- Ex terminals also available (see Ex flyer)







Article numbers

Ratings	1.5-4 mm²	18-12 AWG	2.5-6 mm²	18-8 AWG	4-10 mm²	16-6 AWG
For terminals for polar conductors	3424		3425		3426	
green/yellow	**3436/4V**		**3436V**		**3436/10V**	

Technical data

Connecting capacity ∅	mm	3.1		3.7		5.3	
Clamping screws		M3		M3		M4	
Central screw of pressure part		M3		M3		M4	
Strip insulation	mm	12		12		12	
Clamping couple for electric screw-driver							
for clamping screws	Nm	0.8		0.8		1.8	
for central screw	Nm	0.7		0.7		1.2	
Packing unit	pcs	50		50		25	

Accessories see pages 1.1.71 to 1.1.107

Marking accessories	**3957/.**	8 labels	**3957/.**	8 labels	**3957/.**	8 labels
	3958/.	8 labels	**3958/.**	8 labels	**3958/.**	8 labels
	RB/6x12	2 labels	**RB/6x12**	2 labels	**RB/6x12**	2 labels
Thanks to the enclosure, the earthing terminal shows the same outlines as the terminal for polar conductor of same cross-section						
The earthing terminal in the enclosure is						
similar to	No.	**3435**				
identical to	No.		**3436**		**3436/10**	

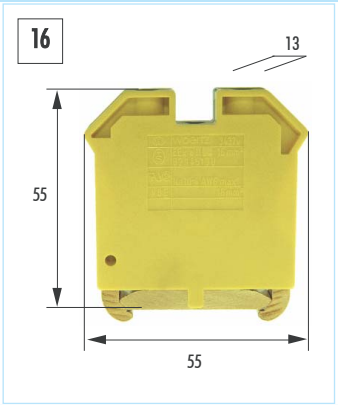
3

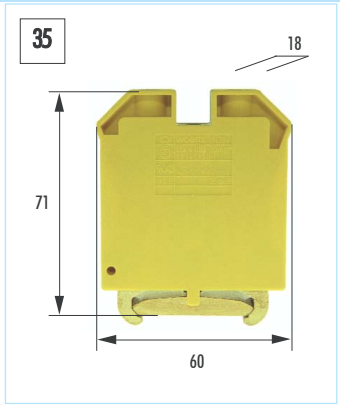
Enclosed earthing terminals for stringent demands

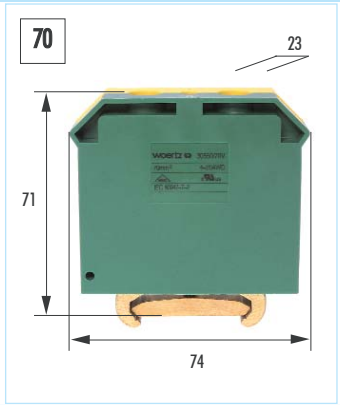
16-70 mm², for terminals type 30128

PA 66

- Terminal and pressure part of brass
- Screws and springs of stainless steel
- 4-figure marking on both sides
- The connection between mounting rail and terminal as well as the connected conductors are protected against working loose
- Ex terminals also available (see Ex flyer)







Article numbers

Ratings	6-16 mm²	10-4 AWG	10-35 mm²	6-1/0 AWG	16-70 mm²	4-2/0 AWG
for terminals for polar conductor	3427		3428		3429	
green and yellow	**3437V**		**3438V**		**30550/70V**	

Technical data

Connecting capacity ∅	mm	6.5		9.2		11.5
Clamping screws		M6 slotted		M8 slotted		M8 Allen / key size 6
Central screw of pressure part		M4		M4		M4
Strip insulation	mm	18		21		22
Clamping couple for electric screw-driver						
for clamping screws	Nm	2.5		5.0		15.0
for central screw	Nm	1.2		1.2		1.2
Packing unit	pcs	25		25		5

Accessories see pages 1.1.71 to 1.1.107

Marking accessories	**3957/.**	8 labels	**3957/.**	8 labels	**3957/.**	8 labels
	3958/.	8 labels	**3958/.**	8 labels	**3958/.**	8 labels
	RB/6x12	2 labels	**RB/6x12**	2 labels	**RB/6x12**	2 labels
In the casing, there is an earthing terminal	No.	**3437**		**3438**		**30550/70**

3437V

3437V open

Technical information

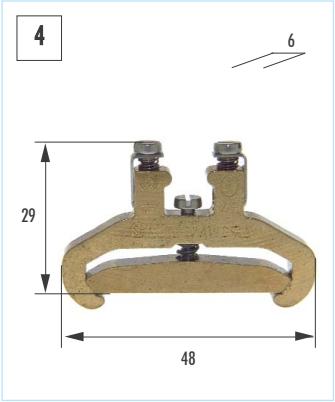
Mounting rail according to EN 60715 TH 35 7.3x1 No. 3401
corresponds to resistance to short-circuits of a conductor 16 mm²

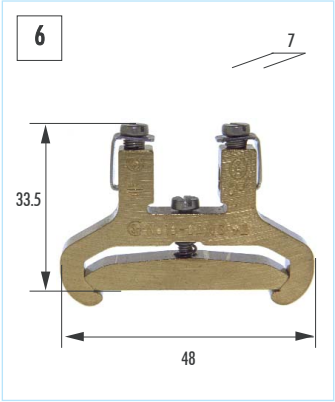
Mounting rail according to EN 60715 TH 35 15x2.5 No. 3490
corresponds to resistance to short-circuits of a conductor 50 mm²

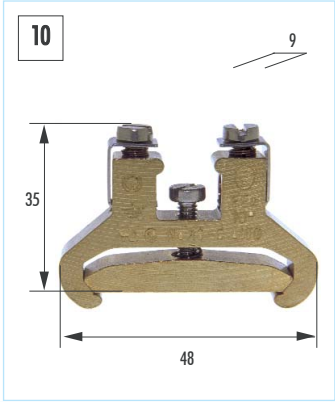
Mounting rail according to EN 60715 TH 35 15x2.3 Cu No. 80290
corresponds to resistance to short-cirucuits of a conductor 150 mm²

- Terminal and pressure part of brass
- Screws and springs of stainless steel
- The connection between mounting rail and terminal as well as the connected conductors are protected against working loose
- Ex terminals also available (see Ex flyer)

*4 mm²+10 mm²







Article numbers

Ratings	1.5-4 mm²	18-12 AWG	2.5-6 mm²	18-8 AWG	4-10 mm²	16-6 AWG
for terminals for polar conductor	3424 3450		3425 3452/6		3426 3452/10	
	3435		**3436**		**3436/10**	

Technical data

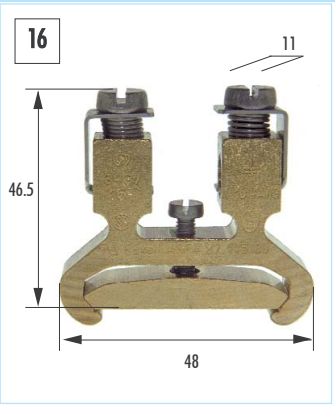
Connecting capacity ∅	mm	3.1		3.7		5.3	
Clamping screws		M3		M3		M4	
Central screw of pressure part		M3		M3		M4	
Strip insulation	mm	6		7		8	
Clamping couple for electric screw-driver							
for clamping screws	Nm	0.8		0.8		1.8	
for central screw	Nm	0.7		0.7		1.2	
Packing unit	pcs	50		50		25	

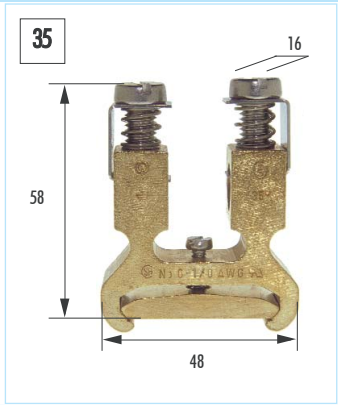
Accessories see pages 1.1.71 to 1.1.107

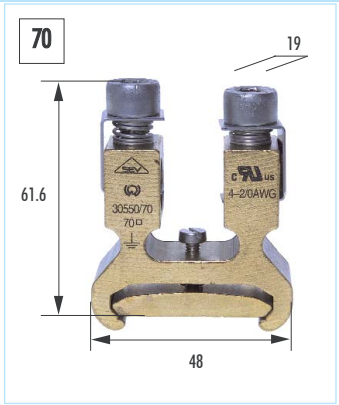
Bare earthing terminals

16-70 mm²

- Terminal and pressure part of brasss
- Screws and springs of stainless steel
- The connection between mounting rail and terminal as well as the connected conductors are protected against working loose
- Ex terminals also available (see Ex flyer)







Article numbers

Ratings	6-16 mm²	10-4 AWG	10-35 mm²	6-1/0 AWG	16-70 mm²	4-2/0 AWG
for terminals for polar conductor	3427 3452/16		3428		3429	
	3437		**3438**		**30550/70**	

Technical data

Connecting capacity ∅	mm	6.5	9.2	11.5
Clamping screws		M6 slotted	M8 slotted	M8 Allen / key size 6
Central screw of pressure part		M4	M4	M4
Strip insulation	mm	12	14	20
Clamping couple for electric screw-driver				
for clamping screws	Nm	2.5	5.0	15.0
for central screw	Nm	1.2	1.2	1.2
Packing unit	pcs	25	25	5

Accessories see pages 1.1.71 to 1.1.107

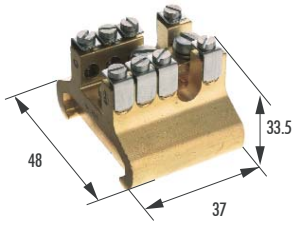
Technical information

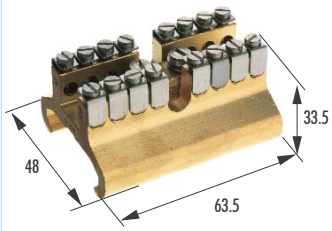
Mounting rail according to EN 60715 TH 35 7.3x1 No. 3401
corresponds to resistance to short-circuits of a conductor 16 mm²

Mounting rail according to EN 60715 TH 35 15x2.5 No. 3490
corresponds to resistance to short-circuits of a conductor 50 mm²

Mounting rail according to EN 60715 TH 35 15x2.3 Cu No. 80290
corresponds to resistance to short-cirucuits of a conductor 150 mm²

- Terminal and pressure part of brasss
- Screws and springs of stainless steel
- The connection between mounting rail and terminal as well as the connected conductors are protected against working loose
- 1 main terminal with clamp for through conductors up to 25 mm²
- 8 or 16 additional connections for conductors up to 6 mm²





Article numbers

	with 1 main connection up to 25 mm² 10-25 mm²/6-4AWG 8 additional connections up to 6 mm² 2.5-6mm²/18-8AWG	with 1 main connection up to 25 mm² 10-25 mm²/6-4AWG 16 additional connections up to 6 mm² 2.5-6mm²/18-8AWG
	3433	**3434**

Technical data

Connecting capacity			
- of the main terminal	∅ mm	7	7
- of the additional connections	∅mm	3.5	3.5
Clamping screws			
- of the main terminals		M5	M5
- of the additional connections		M3	M3
Central screws for pressure part		M3 (1 x)	M3 (2 x)
Strip insulation	mm	7	7
Clamping couple for electric screw-driver			
for screws M5	Nm	4.0	4.0
for screws M3	Nm	0.8	0.8
Packing unit	pcs	10	5

Accessories see pages 1.1.71 to 1.1.107

Technical information

Mounting rail according to EN 60715 TH 35 7.3x1 No. 3401
corresponds to resistance to short-circuits of a conductor 16 mm²

Mounting rail according to EN 60715 TH 35 15x2.5 No. 3490
corresponds to resistance to short-circuits of a conductor 50 mm²

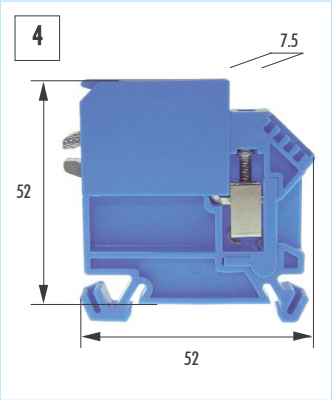
Mounting rail according to EN 60715 TH 35 15x2.3 Cu No. 80290
corresponds to resistance to short-circuits of a conductor 150 mm²

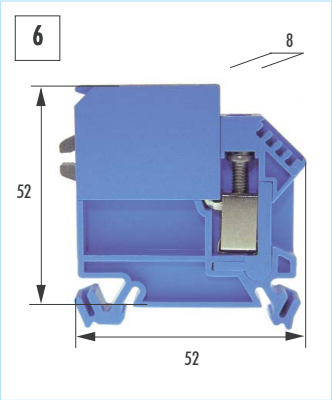
Detachable neutral connectors / Neutral disconnecting terminals 20, 25 and 63A

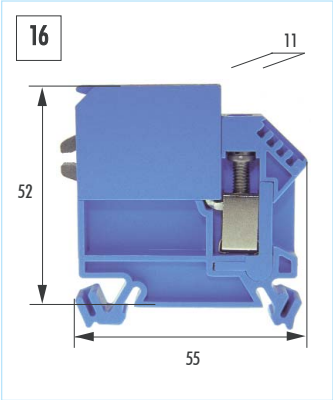
4-16 mm², for terminals type 30128

PA 66

- Clamping parts of nickel-plated brass
- Springs and captive screws of stainless steel
- With protective cover which indicates the state of the connection
- Clamping screw and spring for protection against working loose
- 4-figure marking on one side
- The busbar to which the clamping jaws fold back is always at the same height whatever the nominal current may be.







Article numbers

Ratings	0.5-4 mm² 750V/20A	18-12 AWG 600V/25A	0.5-6 mm² 750V/25A	18-8 AWG 600V/55A	1.5-16 mm² 750V/63A	14-6 AWG 600V/80A
pale blue	**3472BL**		**3477BL**		**3473BL**	

Technical data

Connecting capacity	mm	3.4 x 6	4.5 x 6.5	7.3 x 8.6
Clamping screws		M3	M4	M5
Strip insulation	mm	10	12	13
Clamping couple for electric screw-driver	Nm	0.8	1.5	2.5
Packing unit	pcs	50	25	25

Accessories see pages 1.1.71 to 1.1.107

Marking accessories	**3957/.**	4 labels	**3957/.**	4 labels	**3957/.**	4 labels
	3958/.	4 labels	**3958/.**	4 labels	**3958/.**	4 labels
	RB/6x12	1 label	**RB/6x12**	1 label	**RB/6x12**	1 label
End barriers	**3474BL**		**3474BL**		**3475BL**	
Stoppers	**3418**		**3418**		**3418**	
Stop pieces	**30199**		**30199**		**30199**	
Terminals to busbar for neutral conductors						
for Cu conductor 10-16 mm² rigid	**3838**		**3838**		**3838**	
for Cu conductor 25-35 mm² flexible	**3839**		**3839**		**3839**	
Busbars for neutral conductors of tinned electrolytic copper length 1 m						
10 x 2 mm	**3859**		**3859**		**3859**	
10 x 3 mm	**3856**		**3856**		**3856**	
Cover to busbar for neutral conductor	**81445**		**81445**		**81445**	
Cover clips	**81446**		**81446**		**81446**	

Connection on the opposite side of the clamping jaws for the busbar for neutral conductor

Earthing, subdivision of the PEN conductor see page 1.1.9

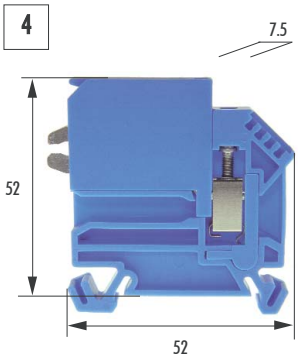
woertz

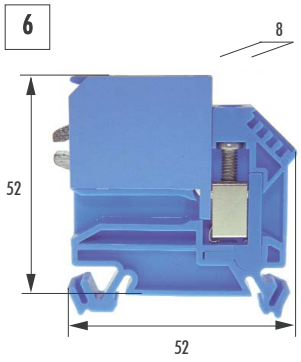
Detachable neutral connectors / Neutral disconnecting terminals 20 and 25A

4-6 mm², for terminals type 30128

PA 66

- Clamping parts of nickel-plated brass
- Springs and captive screws of stainless steel
- With protective cover which indicates the state of the connection
- Clamping screw and spring for protection against working loose
- 4-figure marking on one side
- The busbar to which the clamping jaws fold back is always at the same height whatever the nominal current may be.





Connection on the same side as the clamping jaws for the busbar for neutral conductor

Article numbers

Ratings	0.5-4 mm² 750V/20A	18-12 AWG 600V/25A	0.5-6 mm² 750V/25A	18-8 AWG 600V/55A
pale blue	**30197**		**30200**	

Technical data

Connecting capacity	mm	3.4 x 6	4.5 x 6.5
Clamping screws		M3	M4
Strip insulation	mm	15.5	15.5
Clamping couple for electric screw-driver	Nm	0.8	1.5
Packing unit	pcs	50	25

Accessories see pages 1.1.71 to 1.1.107

Marking accessories	**3957/.**	4 labels	**3957/.**	4 labels
	3958/.	4 labels	**3958/.**	4 labels
	RB/6x12	1 label	**RB/6x12**	1 label
End barriers	**3474BL**		**3474BL**	
Stoppers	**3418**		**3418**	
Stop pieces	**30199**		**30199**	
Terminals to busbar for neutral conductors				
for Cu conductor 10-16 mm² rigid	**3838**		**3838**	
for Cu conductor 25-35 mm² flexible	**3839**		**3839**	
Busbars for neutral conductors of tinned electrolytic copper length 1 m				
10 x 2 mm	**3859**		**3859**	
10 x 3 mm	**3856**		**3856**	
Cover to busbar for neutral conductor	**81445**		**81445**	
Cover clips	**81446**		**81446**	

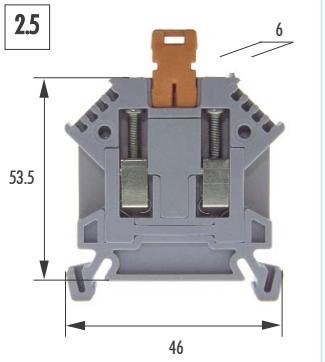
Earthing, subdivision of the PEN conductor see page 1.1.9

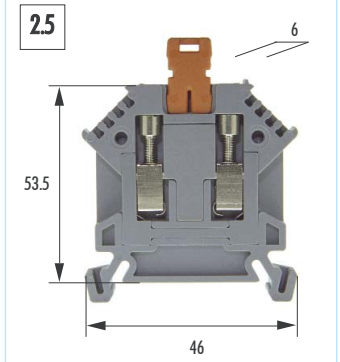
Disconnecting terminals with disconnecting plug 3821

2.5 mm², for terminals type 30128

PA 66

- Clamping units of nickel-plated brass
- Slotted screws and springs of stainless steel
- Socket screws of silver-plated brass
- 4-figure marking on both sides
- with additional spring to protect against working loose
- The separation point may be shown when the plug is inserted with the prongs upwards





Article numbers

Ratings	0.5-2.5 mm² 800V/16A with 2 slotted screws	22-12 AWG 600V/20A with 2 slotted screws	0.5-2.5 mm² 800V/16A with 2 screws and sockets inside diameter 2.3 mm	
grey	**30124**		**30130**	

Technical data

Connecting capacity	mm	3.2 x 4.2	3.2 x 4.2
Clamping screws		M3	M3
Strip insulation	mm	10	10
Clamping couple for electric screw-driver	Nm	0.7	0.6
Packing unit	pcs	50	50

Accessories see pages 1.1.71 to 1.1.107

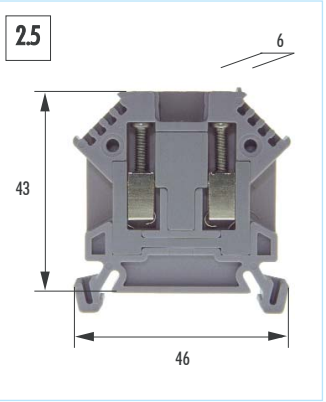
Test adaptors	/		**3772**	
Marking accessories	**3957/.**	8 labels	**3957/.**	8 labels
	3958/.	8 labels	**3958/.**	8 labels
	RB/6x12	2 labels	**RB/6x12**	2 labels
End barriers	**30112**		**30112**	
Partitions	**3506**		**3506**	
Stoppers	**3418**		**3418**	
Stoppers	**30370**		**30370**	
Stop pieces	**30199**		**30199**	
Disconnecting plug	**3821**		**3821**	

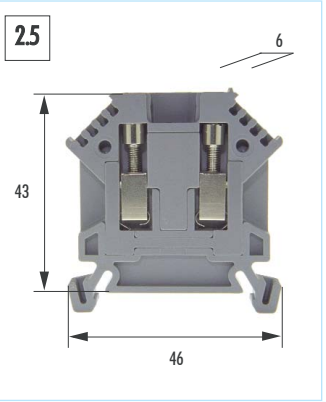
Disconnecting terminals without plug

2.5 mm², for terminals type 30128

PA 66

- Clamping units of nickel-plated brass
- Slotted screws and springs of stainless steel
- Socket screws of silver-plated brass
- 4-figure marking on both sides
- with additional spring to protect against working loose
- designed for diode plugs, fuse plugs, disconnecting plugs
- Plugs have to be ordered separately





Never handle plug when live!

Article numbers

Ratings	0.5-2.5 mm² 800V/16A with 2 slotted screws	22-12 AWG 600V/20A	0.5-2.5 mm² 800V/16A with 2 screws and sockets inside diameter 2.3 mm
grey	**30127**		**30123**

Technical data

Connecting capacity	mm	3.2 x 4.2	3.2 x 4.2
Clamping screws		M3	M3
Strip insulation	mm	10	10
Clamping couple for electric screw-driver	Nm	0.7	0.6
Packing unit	pcs	50	50

Accessories see pages 1.1.71 to 1.1.107

Test adaptors (only for disconnecting plug 3821)		/		**3772**	
Marking accessories		**3957/.**	8 labels	**3957/.**	8 labels
		3958/.	8 labels	**3958/.**	8 labels
		RB/6x12	2 labels	**RB/6x12**	2 labels
End barriers		**30112**		**30112**	
Partitions		**3506**		**3506**	
Stoppers		**3418**		**3418**	
Stoppers		**30370**		**30370**	
Stop pieces		**30199**		**30199**	
Disconnecting plugs		**3821**		**3821**	
Fuse plugs					
- without indicator		**30134**			
- with LED 24V		**30134/24**			
- with LED 230V		**30134/230**			
Diode plug		**30133**			
Diode plug		**30205**			
Empty component plug		**30132**			

Examples

Disconnecting terminal with diode plug

Disconnecting t. with fuse plug

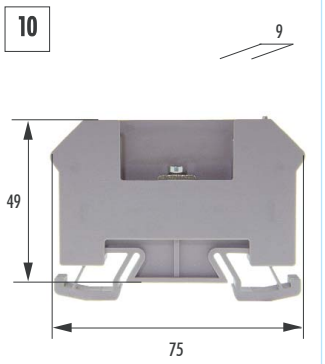
3

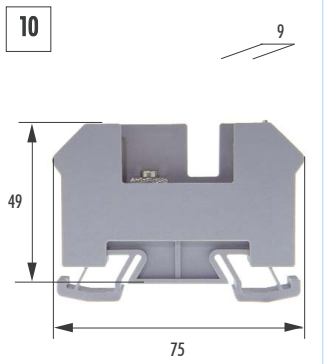
Longitudinal and lateral disconnecting terminals

up to 10 mm²

PA 66

- Clamping units and disconnecting unit of nickel-plated brass
- Springs and screws of stainless steel
- 4-figure marking on both sides





Article numbers

Ratings	0.5-10 mm² 500V/40A	18-8 AWG 600V/50A	0.5-10 mm² 500V/40A	18-8 AWG 600V/50A
	longitudinal disconnecting terminal		lateral disconnecting terminal	
grey	**30168**		**30172**	

Technical data

Connecting capacity	mm	4.5 x 5.5	4.5 x 5.5
Clamping screws		M4	M4
Strip insulation	mm	14	14
Clamping couple for electric screw-driver	Nm	0.8	0.8
Packing unit	pcs	20	20

Accessories see pages 1.1.71 to 1.1.107

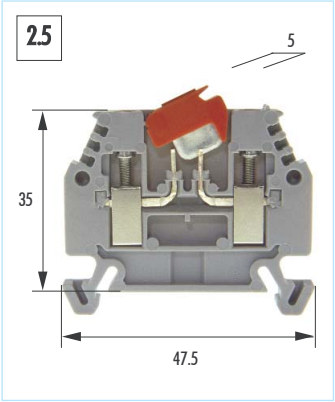
Marking accessories	**3957/.**	8 labels	**3957/.**	8 labels
	3958/.	8 labels	**3958/.**	8 labels
	RB/6x12	2 labels	**RB/6x12**	2 labels
End barriers	**30159**		**30159**	
Stoppers	**3418**		**3418**	
Stop pieces	**30199**		**30199**	
Cross-junction racks			**30179**	

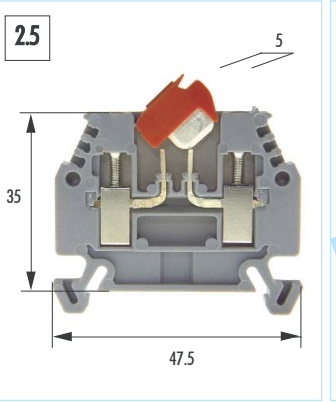
Knife disconnecting terminals

2.5 mm²

PA 66

- Clamping unit of nickel-plated brass
- Knife and bracket bars of silver-plated brass
- Slotted screws of stainless steel
- Socket screws of silver-plated brass
- 3-figure marking
- Disconnecting knife locked in open position





Article numbers

Ratings	0.5-2.5 mm² 800V/15A	22-14 AWG 300V/15A	0.5-2.5 mm² 800V/15A	22-14 AWG 300V/15A
	with 2 slotted screws		with 2 socket screws inside diameter 2.4 mm	
grey	**30870**		**30870P**	

Technical data

Connecting capacity	mm	2.8 x 4.8	2.8 x 4.8
Clamping screws		M2.5	M2.5
Strip insulation	mm	9	9
Clamping couple for electric screw-driver	Nm	0.6	0.6
Packing unit	pcs	50	50
Disconnecting unit		orange	orange

Accessories see pages 1.1.71 to 1.1.107

Test adaptors	/		**80258**	
Marking accessories	**RBE5**	6 labels	**RBE5**	6 labels
	RB/5x9	2 labels	**RB/5x9**	2 labels
End barriers	**30311**		**30311**	
Partitions	**30321**		**30321**	
Stoppers	**3418**		**3418**	
Stop pieces	**30199**		**30199**	
Cross-junction racks	**30790**		**30790**	

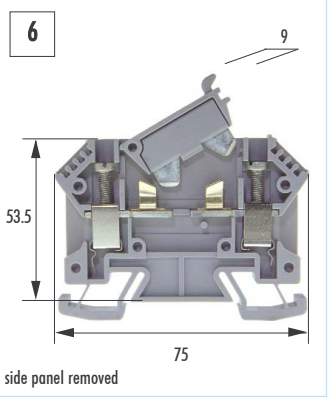
3

Knife disconnecting terminals and detachable neutral connectors

up to 6 mm²

PA 66

- Clamping unit, clamping bars and knife of nickel-plated brass
- Contact springs of bronze
- Springs and screws of stainless steel
- 4-figure marking on both sides
- Disconnecting unit locked in open position
- Terminals completely enclosed
- The disconnecting unit of the terminal No. 30195 can only be opened with a tool



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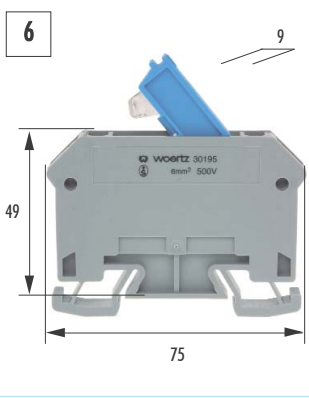


Article numbers

Ratings	0.5-6 mm² 500V/25A	18-10 AWG 600V/30A	0.5-6 mm² 500V/25A	18-10 AWG 600V/30A
	Knife disconnecting terminal		Detachable neutral connecting terminal	
grey	**30191**		**30195**	

Technical data

Connecting capacity	mm	4.5 x 5.5	4.5 x 5.5
Clamping screws		M4	M4
Strip insulation	mm	14	14
Clamping couple for electric screw-driver	Nm	0.8	0.8
Packing unit	pcs	20	20
Disconnecting unit		grey	blue

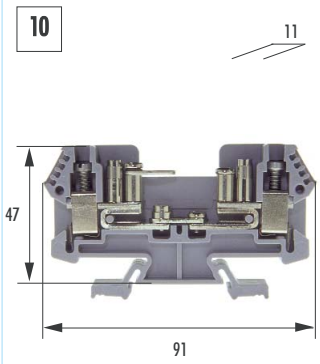
Accessories see pages 1.1.71 to 1.1.107

Marking accessories	**3957/.**	8 labels	**3957/.**	8 labels	
	3958/.	8 labels	**3958/.**	8 labels	
	RB/6x12	2 labels	**RB/6x12**	2 labels	
Stoppers	**3418**		**3418**		
Stop pieces	**30199**		**30199**		

woertz

PA 66

- Clamping units, disconnecting unit, bolts and sockets of nickel-plated brass
- Clamping screws and springs of stainless steel
- 4-figure marking on both sides
- The terminal consists of
  1 slider for longitudinal direction,
  2 bolts for cross-connection,
  1 hooked strip for cross-connection,
  2 sockets for banana plug
  ∅ 4 mm



Article numbers

Ratings	0.5-10 mm² 500V/50A		
grey	**30146**		

Technical data

Connecting capacity	mm	5.5 x 6
Clamping screws		M4
Strip insulation	mm	12
Clamping couple for electric screw-driver	Nm	1.5
Packing unit	pcs	10

Accessories see pages 1.1.71 to 1.1.107

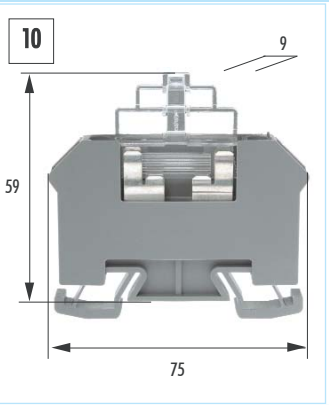
Marking accessories	**3957/..**	8 labels
	3958/.	8 labels
	RB/6x12	2 labels
End barriers	**30158**	
Stop pieces	**30199**	

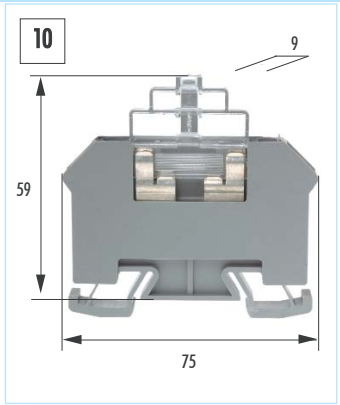
Fuse terminals with fuse-carrier

up to 10 mm²

PA 66

- Clamping unit of nickel-plated brass
- Springs and screws of stainless steel
- 4-figure marking on both sides
- May be provided with a fuse up to max. 6.3A either 5x20mm or 1/4"x1 1/4" (6.3x32mm)
- Available with LED 24V to indicate damaged fuse
- Delivered without fuse





Never handle fuse-carrier when live!

Article numbers

Ratings	0.5-10 mm² 250V/6.3A	20-8 AWG 300V/6.3A	0.5-10 mm² 250V/6.3A	20-8 AWG 300V/6.3A
	without indicator		with LED 24 V for fuse 24V	
grey	**30176**		**30228**	

Technical data

Connecting capacity	mm	4.5 x 5.5	4.5 x 5.5
Clamping screws		M4	M4
Strip insulation	mm	14	14
Clamping couple for electric screw-driver	Nm	0.8	0.8
Packing unit	pcs	20	20

Accessories see pages 1.1.71 to 1.1.107

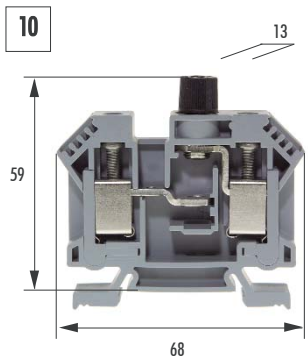
Marking accessories	**3957/.**	8 labels	**3957/.**	8 labels
	3958/.	8 labels	**3958/.**	8 labels
	RB/6x12	2 labels	**RB/6x12**	2 labels
End barriers	**30159**		**30159**	
Stoppers	**3418**		**3418**	
Stop pieces	**30199**		**30199**	
Separate fuse-carrier may be provided with a fuse up to max. 6.3A either 5x20mm or 1/4"x1 1/4" (6.3x32mm)	**30180**		**30180**	

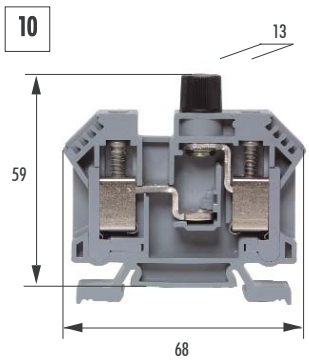
Technical information

In a single fuse terminal, a heavier load is possible than in a bloc of several fuse terminals strung together that heat each other up. This source of heat has to be taken into account when planning.

PA 66

- Screw cap of thermosetting plastic
- Clamping units and bars of nickel-plated brass
- Screws and springs of stainless steel
- 4-figure marking on both sides
- Delivered without fuse





Article numbers

Ratings	0.5-10 mm² 250V/6.3A 20-8 AWG 300V/10A for fuse 5 x 20 mm	0.5-10 mm² 250V/10A 20-8 AWG 300V/10A for fuse 1/4" x 1 1/4" (6.3 x 32mm)
grey	**30005**	**30008**

Technical data

Connecting capacity	mm	5.8 x 7.7	5.8 x 7.7
Clamping screws		M4	M4
Thread in connecting bar		M3	M3
Strip insulation	mm	13	13
Clamping couple for electric screw-driver	Nm	1.5	1.5
Packing unit	pcs	10	10
Max. operating voltage of the fuse	V	250/300	250/300
Rated current of the fuse	A	0.032-6.3/10	0.032-10

Accessories see pages 1.1.71 to 1.1.107

Test adaptors	**80070**		**80070**	
	2737		**2737**	
Marking accessories	**3957/.**	8 labels	**3957/.**	8 labels
	3958/.	8 labels	**3958/.**	8 labels
	RB/6x12	2 labels	**RB/6x12**	2 labels
End barriers	**30025**		**30025**	
Stoppers	**3418**		**3418**	
Stoppers	**30370**		**30370**	
Stop pieces	**30199**		**30199**	

Technical information

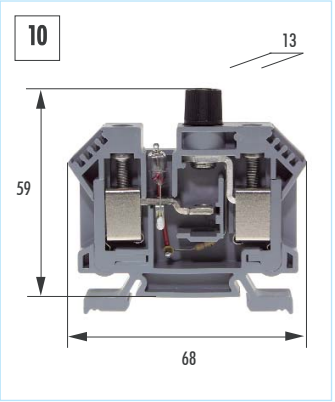
In a single fuse terminal, a heavier load is possible than in a bloc of several fuse terminals strung together that heat each other up. This source of heat has to be taken into account when planning.

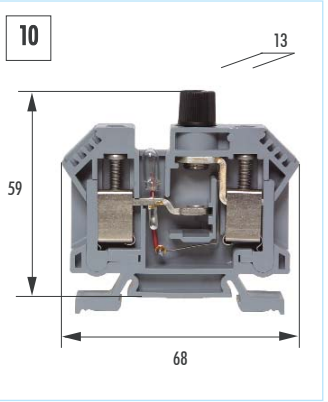
Fuse terminals with luminous indicator

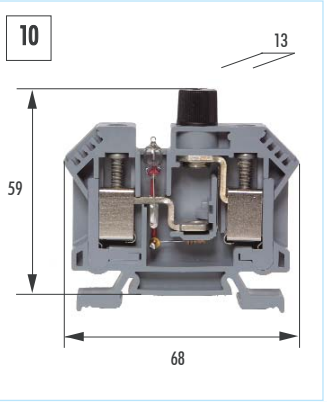
up to 10 mm²

PA 66

- Screw cap of thermosetting plastic
- Clamping units and bars of nickel-plated brass
- Screws and springs of stainless steel
- 4-figure marking on both sides
- With LED to indicate damaged fuse
- Delivered without fuse







Article numbers

Ratings	0.5-10 mm² 250V/6.3A for fuse 5 x 20 mm, 220V indicator with LED 220 V		0.5-10 mm² 250V/6.3A for fuse 5 x 20 mm, 24V indicator with LED 24 V		0.5-10 mm² 250V/10A for fuse 1/4" x 1 1/4" (6.3 x 32mm), 110 V, indicator with LED 110 V	20-8 AWG 300V/10A	
grey	**30003**		**30009**		**30041**		

Technical data

Connecting capacity	mm	5.8 x 7.7	5.8 x 7.7	5.8 x 7.7
Clamping screw		M4	M4	M4
Strip insulation	mm	13	13	13
Clamping couple for electric screw-driver	Nm	1.5	1.5	1.5
Packing unit	pcs	10	10	10
Max. operating voltage of the fuse	V	220	24	110
Rated current of the fuse	A	0.032-6.3	0.032-6.3	0.032-10

Accessories see pages 1.1.71 to 1.1.107

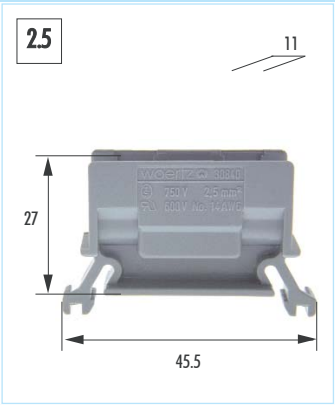
Marking accessories	**3957/.**	8 labels	**3957/.**	8 labels	**3957/.**	8 labels
	3958/.	8 labels	**3958/.**	8 labels	**3958/.**	8 labels
	RB/6x12	2 labels	**RB/6x12**	2 labels	**RB/6x12**	2 labels
End barriers	**30025**		**30025**		**30025**	
Stoppers	**3418**		**3418**		**3418**	
Stoppers	**30370**		**30370**		**30370**	
Stop pieces	**30199**		**30199**		**30199**	

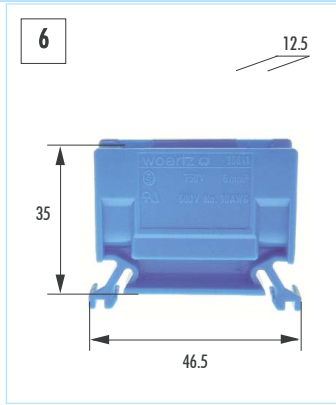
Technical information

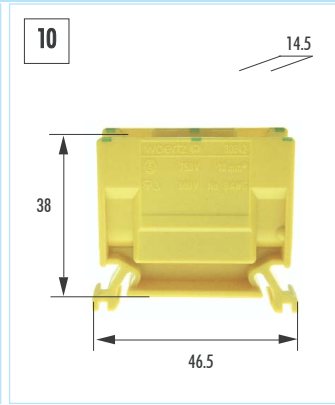
In a single fuse terminal, a heavier load is possible than in a bloc of several fuse terminals strung together that heat each other up. This source of heat has to be taken into account when planning.

PA 66

- Terminals and set screws of nickel-plated brass
- Sliding cover of stainless steel
- for one main through connector and one or more branch conductors
- Insert the label carriers, which are provided with the terminal, into a slot in the side panel, fold them and put on marking labels.







Article numbers

Ratings	1.5+2.5 mm² 750V/24A 14 AWG 600V/15A without pressure part, slotted set screws		2.5-6 mm² 750V/41A 10 AWG 600V/30A without pressure part, slotted set screws		4-10 mm² 750V/57A 8 AWG 600V/50A without pressure part, slotted screws	
grey	**30840GR**		**30841GR**		**30842GR**	
blue	**30840BL**		**30841BL**		**30842BL**	
green and yellow (insulated earthing conductor)	**30840E**		**30841E**		**30842E**	

Technical data

Set screws		M5	M6	M7
Strip insulation	mm	16	23	23
Clamping couple for electric screw-driver	Nm	0.8	1.4	2.0
Packing unit	pcs	50	25	25

Accessories see pages 1.1.71 to 1.1.107

Label carriers for 4 labels	**80150**		**80151**		**80152**	
Marking accessories	**3957/.**	4 labels	**3957/.**	4 labels	**3957/.**	4 labels
	3958/.	4 labels	**3958/.**	4 labels	**3958/.**	4 labels
	RB/6x12	1 label	**RB/6x12**	1 label	**RB/6x12**	1 label
Protection against contact	**80079/10**		**80079/10**		**80079/10**	
Supporting studs	**80059/31**		**80059/38**		**80059/45**	
Stoppers	**3418**		**3418**		**3418**	
Connecting capacity Solid conductors, strands, rigid stranded conductors	7 x 1 mm² 5 x 1.5 mm² 3 x 2.5 mm²		7 x 2.5 mm² 5 x 4 mm² 3 x 6 mm²		7 x 4 mm² 4 x 6 mm² 3 x 10 mm²	

How to connect

Unscrew the clamping screws, pull off the sliding cover, insert the bared conductors (one main through conductor and one or more branch conductors) and clamp them with both clamping screws.

4

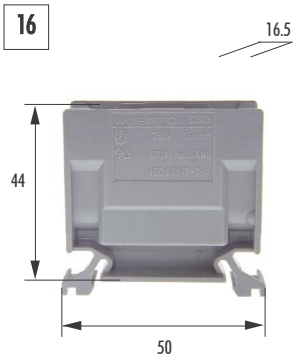
Branching terminals

16+35 mm²

PA 66

- Terminals and set screws of nickel-plated brass
- Sliding cover of stainless steel
- for one main through conductor and one or more branch conductors
- Insert the label carriers, which are provided with the terminal, into a slot in the side panel, fold them and put on marking labels.

16



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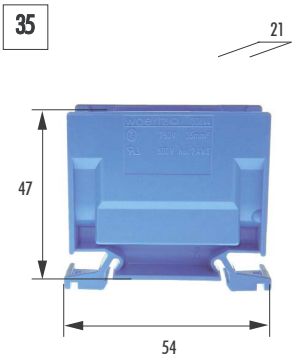


Article numbers

Ratings	6-16 mm² 750V/76A 6 AWG 600V/65A without pressure part, slotted set screws	10-35 mm² 750V/125A 2 AWG 600V/115A without pressure part, slotted set screws
grey	**30843GR**	**30844GR**
blue	**30843BL**	**30844BL**
green and yellow (insulated earthing conductor)	**30843E**	**30844E**

Technical data

Set screws		M8	M12
Strip insulation	mm	27	35
Clamping couple for electric screw-driver	Nm	2.3	3.8
Packing unit	pcs	20	20

Accessories see pages 1.1.71 to 1.1.107

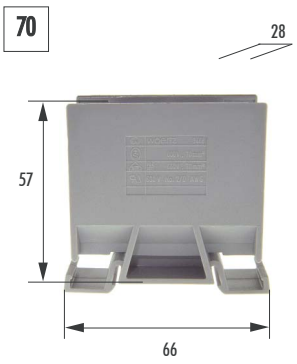
Label carriers for 4 labels	**80153**		**80154**	
Marking accessories	**3957/.**	4 labels	**3957/.**	4 labels
	3958/.	4 labels	**3958/.**	4 labels
	RB/6x12	1 label	**RB/6x12**	1 label
Protection against contact	**80079/35**		**80079/35**	
Supporting studs	**80059/45**		**80059/55**	
Stoppers	**3418**		**3418**	
Connecting capacity rigid and flexible stranded conductors	6 x 6 mm² 4 x 10 mm² 3 x 16 mm²		4 x 16 mm² 2 x 25 mm² 2 x 35 mm²	

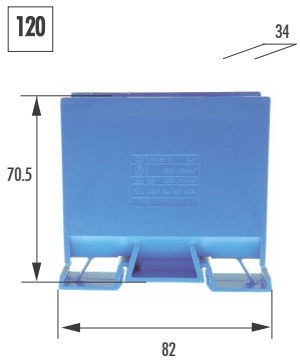
How to connect

Unscrew the clamping screws, pull off the sliding cover, insert the bared conductors (one main through conductor and one or more branch conductors) and clamp them with both clamping screws.

PA 66

- Terminals, set screws, sliding covers and pressure part of nickel-plated brass





Article numbers

Ratings	16-70 mm² 800V/192A 2/0 AWG 600V/175A with pressure part, Allen set screws key size 8 mm		70-120 mm² 800V/269A 250 MCM 600V/255A with pressure part, Allen set screws key size 10 mm	
grey	**3468GR**		**3469GR**	
blue	**3468BL**		**3469BL**	
green and yellow (insulated earthing conductor)	**3468E**		**3469E**	

Technical data

Set screws		M16 Allen	M20 Allen
Marking label		9.5 x 24.5	9.5 x 31
Strip insulation	mm	42	59
Clamping couple for electric screw-driver	Nm	14.2	30.0
Packing unit	pcs	5	5

Accessories see pages 1.1.71 to 1.1.107

Protection against contact		**80079/120**	**80079/120**
Supporting studs		**80059/65**	**80059/75**
Stop pieces		**30199**	**30199**
connecting capacity rigid and flexible stranded conductors		3 x 35 mm² 2 x 50 mm² 2 x 70 mm²	3 x 70 mm² 2 x 95 mm² 2 x 120 mm²

How to connect

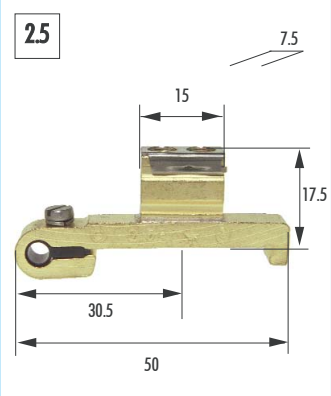
Unscrew clamping screws, pull off sliding cover, remove pressure part

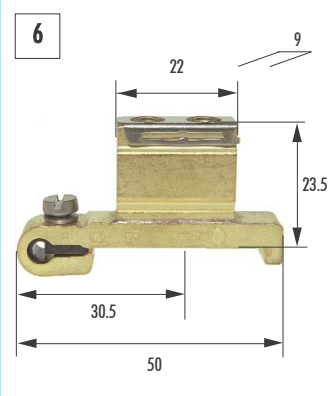
4

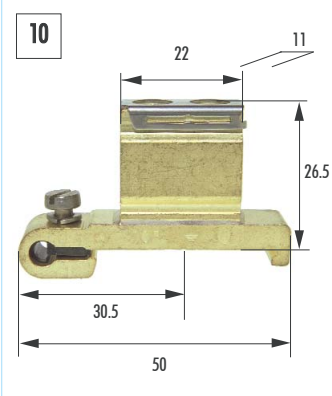
Bare earthing terminals

2.5-10 mm²

- Terminals of brass
- Set screws of nickel-plated brass
- Sliding cover of stainless steel
- The connection between mounting rail and terminal as well as the connected conductors are protected against working loose







Article numbers

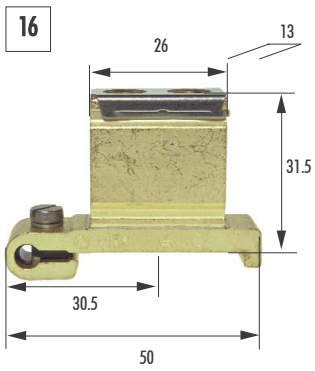
Nominal cross-section	1.5+2.5 mm² / 14 AWG without pressure part, slotted set screws	2.5-6 mm² / 10 AWG without pressure part, slotted set screws	4-10 mm² / 8 AWG without pressure part, slotted set screws
	30380	**30381**	**30382**

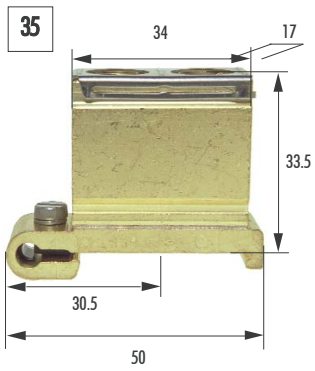
Technical data

Set screws		M5	M6	M7
Rail screws		M3	M4	M4
Strip insulation	mm	15	22	22
Clamping couple for electric screw-driver				
for set screws	Nm	0.8	1.4	2.0
for rail screws	Nm	1.0	1.5	2.0
Packing unit	pcs	50	50	50

Accessories see pages 1.1.71 to 1.1.107

- Terminals of brass
- Set screws of nickel-plated brass
- Sliding cover of stainless steel
- The connection between mounting rail and terminal as well as the connected conductors are protected against working loose





Article numbers

Nominal cross-section	6-16 mm² / 6 AWG without pressure part, slotted set screws	10-35 mm² / 2 AWG without pressure part, slotted set screws
	30383	**30384**

Technical data

Set screws		M8	M12
Rail screws		M4	M4
Strip insulation	mm	26	34
Clamping couple for electric screw-driver			
for set screws	Nm	2.3	3.8
for rail screws	Nm	2.5	3.0
Packing unit	pcs	50	50

Accessories see pages 1.1.71 to 1.1.107

Technical information

Mounting rail according to EN 60715 TH 35 7.3x1 No. 3401
corresponds to resistance to short-circuits of a conductor 16 mm²

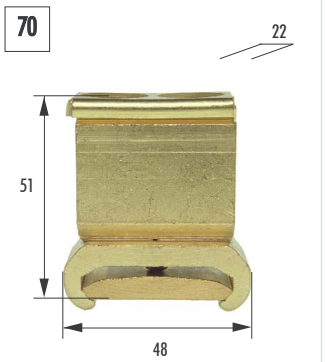
Mounting rail according to EN 60715 TH 35 15x2.5 No. 3490
corresponds to resistance to short-circuits of a conductor 50 mm²

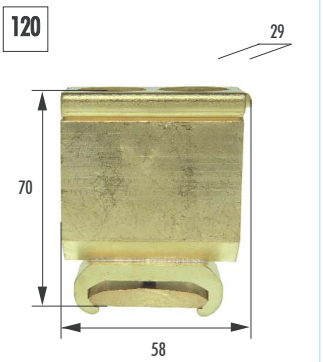
Mounting rail according to EN 60715 TH 35 15x2.3 Cu No. 80290
corresponds to resistance to short-circuits of a conductor 150 mm²

Bare earthing terminals

70+120 mm²

- Terminal and sliding cover of brass
- Pressure part and set screws of nickel-plated brass
- The connection between mounting rail and terminal as well as the connected conductors are protected against working loose





Article numbers

Nominal cross-section	16-70 mm²	70-120 mm²
	with pressure part, Allen set screws key size 8 mm	with pressure part, Allen set screws key size 10 mm
	30181	**30182**

Technical data

Set screws		M16 Allen	M20 Allen
Screw for pressure part		M4	M4
Strip insulation	mm	42	58
Clamping couple for electric screw-driver			
for set screws	Nm	26.0	30.0
for screws for pressure part	Nm	2.5	2.5
Packing unit	pcs	10	10

Accessories see pages 1.1.71 to 1.1.107

Technical information

Mounting rail according to EN 60715 TH 35 7.3x1 No 3401
corresponds to the resistance to short-circuits of a conductor 16 mm²

Mounting rail according to EN 60715 TH 35 15x2.5 No. 3490
corresponds to the resistance to short-circuits of a conductor 50 mm²

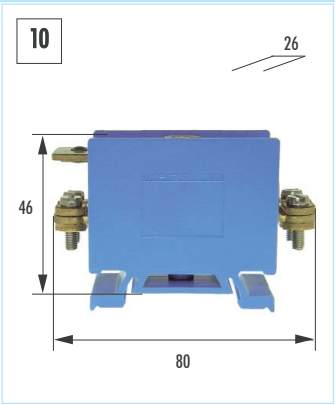
Mounting rail according to EN 60715 TH 35 15x2.3 Cu No. 80290
corresponds to the resistance to short-circuits of a conductor 150 mm²

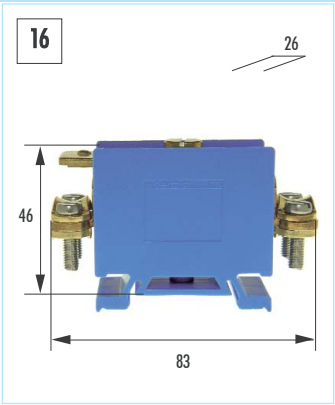
Neutral disconnecting terminals 25, 63 and 100 A

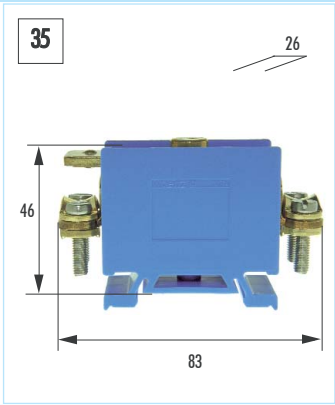
10-35 mm²

PA 66

- Metal parts of bare brass
- Loosening the screw automatically unlocks the disconnecting unit which remains open. The state of the connection is clearly visible. Covers cannot be mounted when terminal is in open (disconnected) position.
- Height of terminals in open position 98 mm







Article numbers

Max. cross-section of conductors Input and output	10 mm²	16 mm²	35 mm²
pale blue	30224/25A	30224/60A	30224/100A

Technical data

Nominal current	A	25	63	100
Nominal voltage	V	500	500	500
Packing unit	pcs	5	5	5

Accessories see pages 1.1.71 to 1.1.107

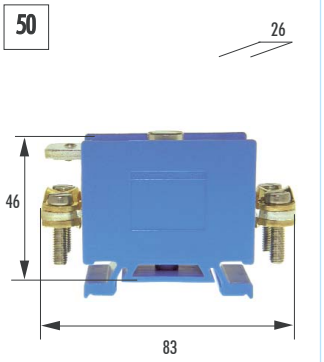
Earthing, subdivision of the PEN conductor see page 1.1.9

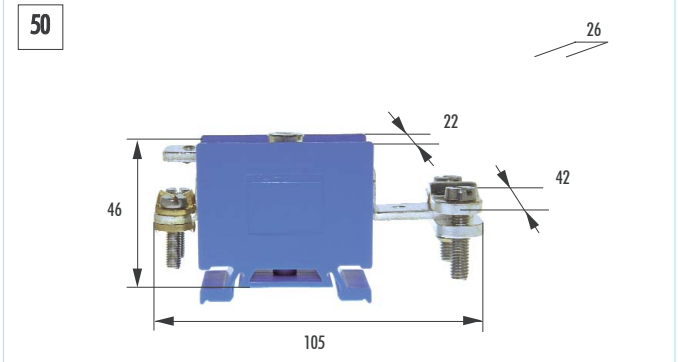
Neutral disconnecting terminal 160 A

50 mm²

PA 66

- Metal parts of silver-plated brass
- Loosening the screw automatically unlocks the disconnecting unit which remains open. The state of the connection is clearly visible. Covers cannot be mounted when terminal is in open (disconnected) position.
- Height of terminals in open position 98 mm





Article numbers

Max. cross-section of conductors		
Input	50 mm² rigid stranded conductor	50 mm² flexible stranded conductor
Output	50 mm² rigid stranded conductor	50 mm² rigid stranded conductor width of input terminal 42 mm
pale blue	**30224/160A**	**30224/160B**

Technical data

Nominal current	A	160	160
Nominal voltage	V	660	660
Packing unit	pcs	5	5

Accessories see pages 1.1.71 to 1.1.107

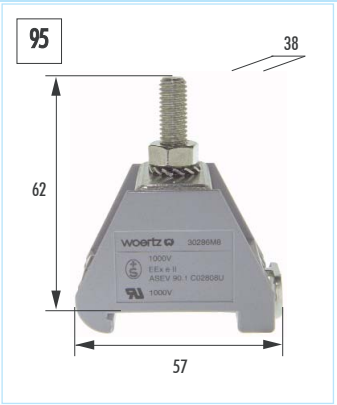
Earthing, subdivision of the PEN conductor see page 1.1.9

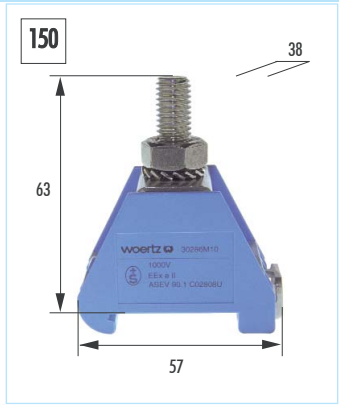
Stud terminals M8, M10, M12 for cable lugs

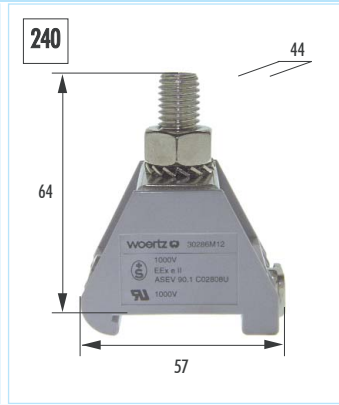
95-240 mm²

PA 66

- Stud and metal fittings of stainless steel
- Connected cable lugs protected against working loose
- Sprung base
- Adjacent terminals always have to be separated by a partition
- Ex terminals also available (see Ex flyer)







Article numbers

Max. cross-section of cable	95 mm²	3/0 AWG	150 mm²	300 MCM	240 mm²	500 MCM
Ratings	750V	1000V/200A	750V	1000V/285A	750V	1000V/380A
grey	**30286M8GR**		**30286M10GR**		**30286M12GR**	
blue	**30286M8BL**		**30286M10BL**		**30286M12BL**	

Technical data

Studs		M8	M10	M12
Packing unit	pcs	10	10	10

Accessories see pages 1.1.71 to 1.1.107

Partitions with nut for covers	**3497M5**	**3497M5**	**3499M5**
Partitions (without nut)	**3497**	**3497**	**3499**
Stop piece	**30199**	**30199**	**30199**

How to connect

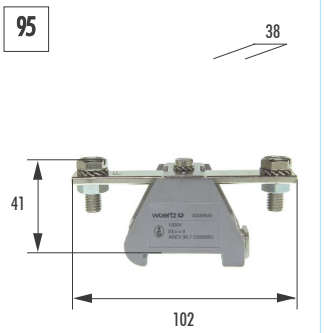
Insulating body with longitudinal slot for screwdriver: a counterforce may so be exerted while tightening the hexagonal nut on the cable lugs.

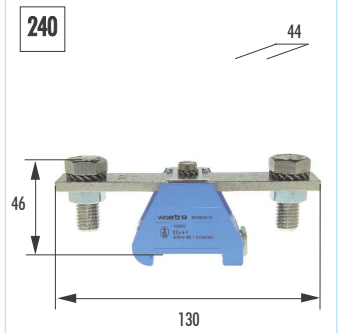
Heavy-duty terminals M8 and M12 for cable lugs

95+240 mm²

PA 66

- Connecting bar of nickel-plated brass
- Metal fittings of stainless steel
- Connected cable lugs protected against working loose
- Sprung base
- Adjacent terminals always have to be separated by a partition
- Ex terminals also available (see Ex flyer)





Article numbers

Ratings	95 mm² 750V	240 mm² 750V
grey, with connecting bar	**30285M8GR**	**30285M12GR**
blue, with connecting bar	**30285M8BL**	**30285M12BL**

Technical data

Connecting bar	mm	15 x 4	25 x 5
Screws for cable lugs		M8	M12
Packing unit	pcs	10	10

Accessories see pages 1.1.71 to 1.1.107

Partitions with nut for covers	**3497M5**	**3499M5**
Partitions (without nut)	**3497**	**3499**
Stop piece	**30199**	**30199**

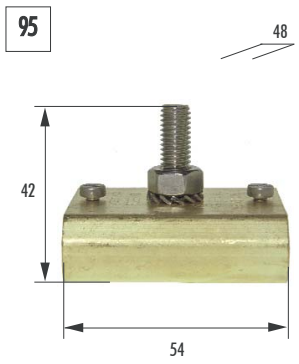
How to connect

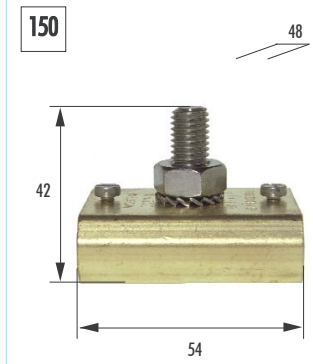
Insulating body with longitudinal slot for screwdriver: a counterforce may so be exerted while tightening the hexagonal nut on the cable lugs.

Earthing stud terminals M8 and M10 for cable lugs

95+150 mm²

- Base element and both pressure parts of brass
- Stud, washer and hexagonal nut of stainless steel
- Connections protected against working loose





Article numbers

Nominal cross-section	95 mm²	150 mm²
	30287M8	30287M10

Technical data

Studs	M8	M10
Screws for pressure part	M4	M4
Packing unit pcs	10	10

Accessories see pages 1.1.71 to 1.1.107

Technical information

Mounting rail according to EN 60715 TH 35 7.3x1 No. 3401
corresponds to the resistance to short-circuits of a conductor 16 mm²

Mounting rail according to EN 60715 TH 35 15x2.5 No. 3490
corresponds to the resistance to short-circuits of a conductor 50 mm²

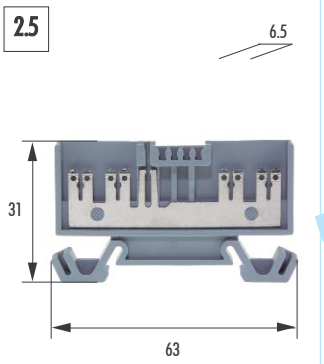
Mounting rail according to EN 60715 TH 35 15x2.3 Cu No. 80290
corresponds to the resistance to short-circuits of a conductor 150 mm²

Terminals for flat push-on connectors 6.3 x 0.8 mm or 2.8 x 0.8 mm

2.5 mm²

PA 66

- Contacts of nickel-plated brass
- 4-figure marking on central part
- To be used with insulated flat plugs
- The 6.3 mm tabs are divided into two 2.8 mm wide tabs, i.e. they may be used for 6.3 mm as well as for 2.8 mm wide flat plugs.



With contact fixture for vertical insertion of cross-connection
Art. No. 30420/20

Article numbers

Ratings	0.5-2.5 mm² 750V/24A	18-14 AWG 600V/15A	
	2/4 tabs on both sides		
grey	**3440GR**		

Technical data

Packing unit	pcs	50

Accessories see pages 1.1.71 to 1.1.107

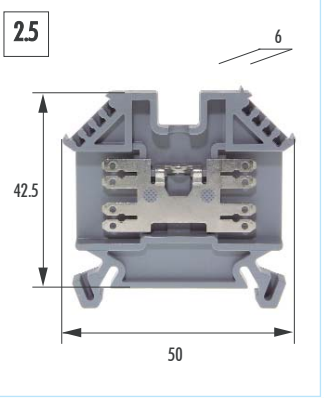
Marking accessories	**3957/.**	4 labels
	3958/.	4 labels
	RB/6x12	1 label
End barriers	**3444**	
Partitions	**3445**	
Stoppers	**3418**	
Stoppers	**30370**	
Cross-junction racks with insulating tape 20-part	**30420/20**	

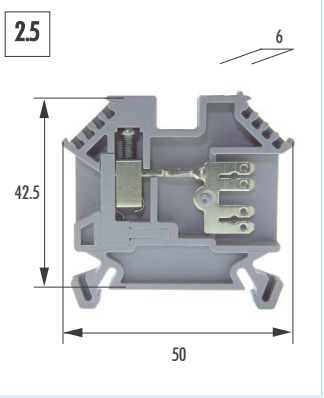
Terminals for flat push-on connectors 6.3 x 0.8 mm or 2.8 x 0.8 mm

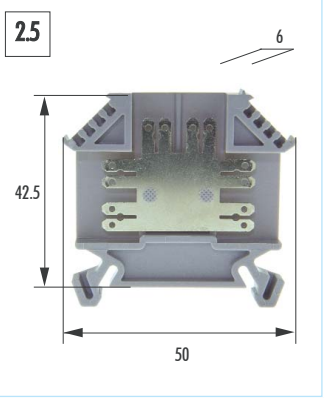
2.5 mm²

PA 66

- Contacts of nickel-plated brass
- Screw and spring of stainless steel
- 4-figure marking on both sides
- To be used with insulated flat plugs
- For recessed cross-connections
- The 6.3 mm tabs are divided into two 2.8 mm wide tabs, i.e. they may be used for 6.3 mm as well as for 2.8 mm wide flat plugs.







Article numbers

Ratings	0.5-2.5 mm² 660V/24A	18-12 AWG 600V/20A	0.5-2.5 mm² 660V/24A	18-12 AWG 600V/20A	0.5-2.5 mm² 660V/24A	18-12 AWG 600V/20A
	2/4 tabs on both sides		screw clamp on one side		2/4 tabs on both sides and on top	
grey	**30138GR**		**30137GR**		**30143GR**	

Technical data

Connecting capacity	mm		3.2 x 4.2			
Clamping screw			M3			
Central thread		M3	M3			
Strip insulation	mm		10			
Clamping couple for electric screw-driver	Nm		0.7			
Packing unit	pcs	50	50		50	

Accessories see pages 1.1.71 to 1.1.107

Test adaptors	**80070** **2737**		**80070** **2737**		/	
Marking accessories	**3957/.** **3958/.** **RB/6x12**	8 labels 8 labels 2 labels	**3957/.** **3958/.** **RB/6x12**	8 labels 8 labels 2 labels	**3957/.** **3958/.** **RB/6x12**	8 labels 8 labels 2 labels
End barriers	**30139**		**30139**		**30139**	
Partitions	**3506**		**3506**		**3506**	
Push-in barriers	**80255**		**80255**		/	
Stoppers	**3418**		**3418**		**3418**	
Stoppers	**30370**		**30370**		**30370**	
Insulated cross-connections for 2, 3, 4, 5 or 10 terminals	**81526/2** **81526/3** **81526/4** **81526/5** **81526/10**		**81526/2** **81526/3** **81526/4** **81526/5** **81526/10**			
Connecting pins	**81526**		**81526**			
Links	**3883/1M**		**3883/1M**			
Links 2-part	**30441**		**30441**			
Terminal covers for 4, 5, 6, 7 or 8 terminals	**3886/4** **3886/5** **3886/6** **3886/7** **3886/8**		**3886/4** **3886/5** **3886/6** **3886/7** **3886/8**			
Fastening screws	**17402**		**17402 / 01068**			
Sealing eyelets	**81440**		**81440**			

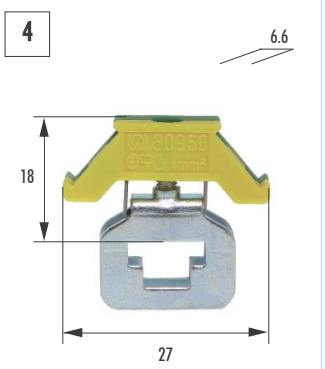
5

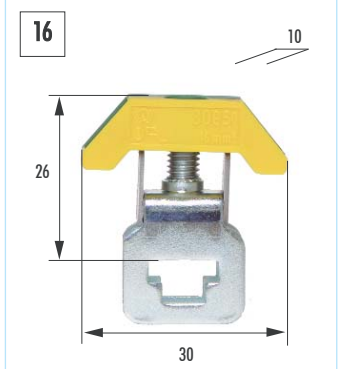
Terminals for busbar

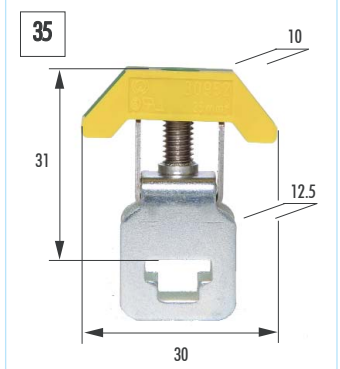
4-35 mm²

PA 66

- For insertion on copper busbars 10 x 2 mm, 10 x 3 mm and 6 x 6 mm
- Brackets and screws of stainless steel
- Pressure part of stainless steel
- Insulating part of polyamide 66, halogen-free
- Marking on both sides with labels RB/6x9







Article numbers

Ratings	0.5-4 mm² 32A	24-12 AWG	2.5-16 mm² 76A	18-6 AWG	4-35 mm² 125A	14-2 AWG
grey	**30950GR**		**30951GR**		**30952GR**	
blue	**30950BL**		**30951BL**		**30952BL**	
green and yellow	**30950E**		**30951E**		**30952E**	

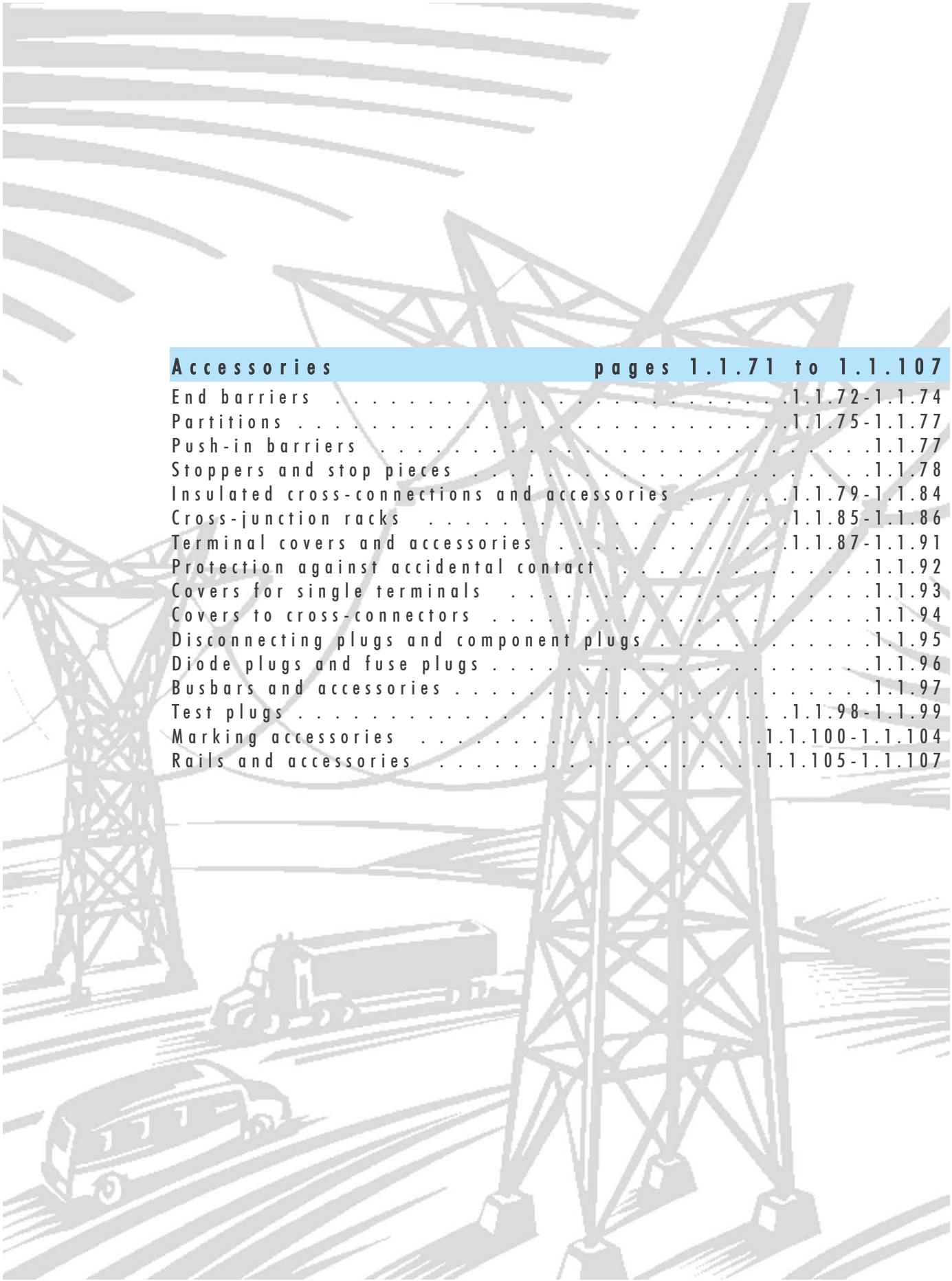
Technical data

Clamping screws		M3	M5	M5
Strip insulation	mm	12	15	15
Clamping couple for electric screw-driver	Nm	0.8	2.8	3.4
Packing unit	pcs	100	100	100

Accessories see pages 1.1.71 to 1.1.107

Marking accessories	RB/6x9	2 labels	RB/6x9	2 labels	RB/6x9	2 labels
Busbars of of tinned electrolytic copper length 1m						
10 x 2 mm	**3859**		**3859**		**3859**	
10 x 3 mm	**3856**		**3856**		**3856**	
6 x 6 mm	**30955**		**30955**		**30955**	
Cover to busbar						
10 x 2 and 10 x 3 mm	**81445**		**81445**		**81445**	
Cover clips	**81446**		**81446**		**81446**	
Busbar carrier 12 mm wide, of polyamide 66 grey for clipping on mounting rail according to EN 60715 TH 35 or for screwing on with two M4 screws, suitable for all three busbars						
Busbar carrier, high H1 35 mm, H2 38 mm	**30956**		**30956**		**30956**	
Busbar carrier, low H1 20 mm, H2 23 mm	**30957**		**30957**		**30957**	

Index



Accessories	pages 1.1.71 to 1.1.107
End barriers	1.1.72-1.1.74
Partitions	1.1.75-1.1.77
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Cross-junction racks	1.1.85-1.1.86
Terminal covers and accessories	1.1.87-1.1.91
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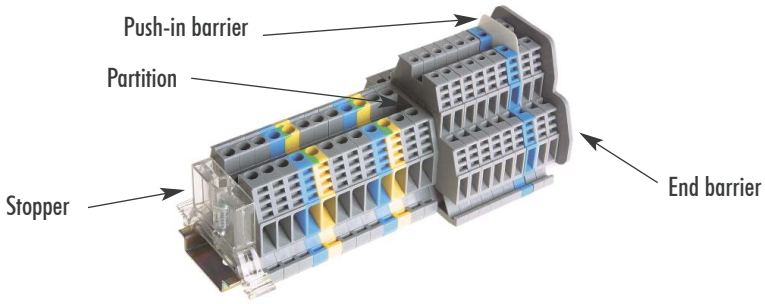
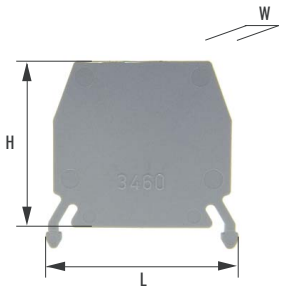
End barriers





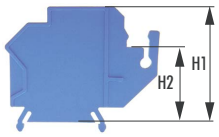
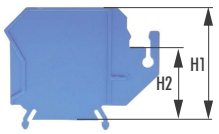
End barriers to terminal series Compact

Article number	Illustration	Technical data	for terminals
3411		of polyamide 66, grey Packing unit: 100 pcs W=2mm, L=74mm, H=64mm	Two-step terminals 6mm² series 3410
3431		of polyamide 66, grey Packing unit: 100 pcs W=2mm, L=62mm, H=49mm	Two-step terminals 2.5mm² series 30860 Two-step terminals 4mm² series 3430
3460		of polyamide 66, grey Packing unit: 100 pcs W=2mm, L=37mm, H=35mm	Basic terminals 2.5mm² series 30150 Basic terminals 4mm² series 3450 Thermocouple terminals 2.5mm² series 30880 Disconnecting terminals 2.5mm² series 30800
3464		of polyamide 66, grey Packing unit: 100 pcs W=2mm, L=45mm, H=41mm	Basic terminals 6-16mm² series 3452/6, 3452/10, 3452/16
30406		of polyamide 66, grey Packing unit: 100 pcs W=2mm, L=65mm, H=44mm	Three-step terminals for proximity switches 2.5mm² Art. No. 30400
30407		of polyamide 66, grey Packing unit: 100 pcs W=2mm, L=87mm, H=44mm	Three-step terminals for proximity switches 2.5mm² Art. No. 30403
30438		of polyamide 66, grey Packing unit: 100 pcs W=2mm, L=89mm, H=50mm	Three-step installation terminals 4mm² Art. No. 30431/1, Art. No. 30431/2, Art. No. 30432
30439		of polyamide 66, blue Packing unit: 100 pcs W=2mm, L=89mm, H=50mm with rail holder	Three-step installation terminals 4mm² Art. No. 30430
30811		of polyamide 66, grey Packing unit: 100 pcs W=1.5mm, L=42mm, H=56mm	Return terminal 2.5mm² Art. No. 30810

End barriers to terminal series Compact

Article number	Illustration	Technical data	for terminals
30892		of polyamide 66, grey Packing unit: 100 pcs W=1.5mm, L=73.5mm, H=59mm	Two-step terminals with disconnecting function Art. No. 30890, Art. No. 30891
30913		of polyamide 66, grey Packing unit: 100 pcs W=1.5mm, L=45mm, H=41.5mm	Y-terminals 2.5+4mm² series 30903, series 30904
30945		of polyamide 66, black Packing unit: 100 pcs W=2.5mm, L=71mm, H=46mm	Fuse terminals 4mm² series 30935
30983		of polyamide 66, grey Packing unit: 100 pcs W=1.5mm, L=54mm, H=41.5mm	X-terminal 2.5mm² series 30973

End barriers to terminal series Comfort

Article number	Illustration	Technical data	for terminals
3474BL		of polyamide 66, pale blue Packing unit: 100 pcs W=4.5mm, L=67mm, H1=52mm, H2=33mm with busbar holder	Detachable neutral conductor / neutral disconnecting terminal 4+6mm² Art. No. 3472BL, 3477BL, 30197, 30200
3475BL		of polyamide 66, pale blue Packing unit: 100 pcs W=4.5mm, L=70mm, H1=52mm, H2=33mm with busbar holder	Detachable neutral conductor / neutral disconnecting terminal 16mm² Art. No. 3473BL
3516		of polyamide 66, grey Packing unit: 100 pcs W=2mm, L=49mm, H=45mm	Terminals for stringent demands 4+6mm² Series 3424, series 3425
3517		of polyamide 66, grey Packing unit: 100 pcs W=2mm, L=52mm, H=51mm	Terminals for stringent demands 10mm² Series 3426
3518		of polyamide 66, grey Packing unit: 100 pcs W=2mm, L=55mm, H=55mm	Terminals for stringent demands 16mm² Series 3427
3519		of polyamide 66, grey Packing unit: 100 pcs W=2mm, L=60mm, H=71mm	Terminals for stringent demands 35mm² Series 3428

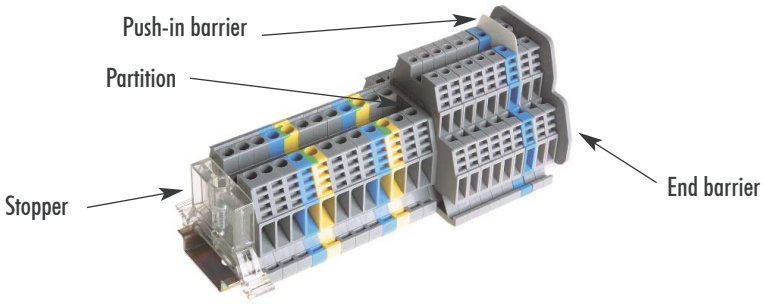
End barriers

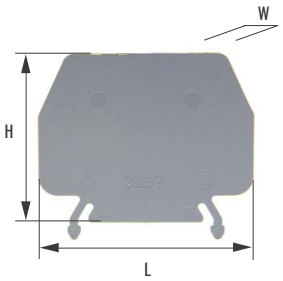
End barriers to terminal series Comfort

Article number	Illustration	Technical data	for terminals
30025		of polyamide 66, grey Packing unit: 100 pcs W=2mm, L=68mm, H=49mm	Fuse terminals 10mm² Art. No. 30003, 30005, 30008, 30009
30112		of polyamide 66, grey Packing unit: 100 pcs W=2mm, L=46mm, H=42.5mm	Terminals for stringent demands 2.5mm² Series 30128, Art. No. 30123, 30124, 30127, 30130
30158		of polyamide 66, grey Packing unit: 50 pcs W=2mm, L=91mm, H=47mm	Universal test terminal 10mm² Art. No. 30146
30159		of polyamide 66, grey Packing unit: 50 pcs W=2mm, L=75mm, H=49mm	Disconnecting terminals and fuse terminals 10mm² Art. No. 30168, 30172, 30176, 30191, 30195, 30228
30311		of polyamide 66, grey Packing unit: 100 pcs W=2mm, L=46mm, H=34.5mm	Disconnecting terminals 2.5mm² Art. No. 30870, 30870P

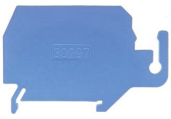
End barriers to special terminals

3444		of polyamide 66, grey Packing unit: 100 pcs W=2mm, L=60mm, H=31mm	Terminal for flat push-on connectors 2.5mm² Art. No. 3440GR
30139		of polyamide 66, grey Packing unit: 50 pcs W=2mm, L=50mm, H=42.5mm	Terminal for flat push-on connectors 2.5mm² Art.No. 30137GR, 30138GR, 30143GR





Partitions to terminal series Compact

Article number	Illustration	Technical data	for terminals
3412		of polyamide 66, grey Packing unit: 100 pcs W=2mm, L=84mm, H=69mm	Two-step terminals 2.5+4mm² series 3410
3432		of polyamide 66, grey Packing unit: 100 pcs W=2mm, L=72mm, H=54mm	Two-step terminals 2.5+4mm² series 30860, series 3430
3461		of polyamide 66, grey Packing unit: 100 pcs W=2mm, L=47mm, H=40.5mm	Basic terminals 2.5+4mm² series 30150, series 3450 Disconnecting terminals for plug 2.5mm², Art. No. 30800, Art. No. 30800P
3465		of polyamide 66, grey Packing unit: 100 pcs W=2mm, L=55mm, H=46mm	Basic terminals 6-16mm² series 3452/6, 3452/10, 3452/16
30296		of polyamide 66, pale blue Packing unit: 100 pcs W=3mm, L=62mm, H=38.5mm with busbar holder	Detachable neutral connectors / neutral disconnecting terminals 4mm² Art. No. 30290
30297		of polyamide 66, pale blue Packing unit: 100 pcs W=3mm, L=66mm, H=38.5mm with busbar holder	Detachable neutral connectors / neutral disconnecting terminals 6mm² Art. No. 30291
30321		of polyamide 66, grey Packing unit: 50 pcs W=2mm, L=56mm, H=39mm	Miniature fuse terminals 4mm² series 30930

Partitions

Partitions to terminal series Comfort

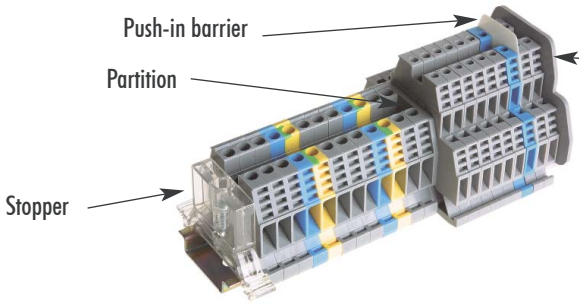
Article number	Illustration	Technical data	for terminals
3506		of polyamide 66, grey Packing unit: 100 pcs W=2mm, L=55mm, H=50mm	Terminals for stringent demands 2.5-6mm² Series 30128, series 3424, series 3425 Disconnecting terminals Art. No. 30123, Art. No. 30124, Art. No. 30127, Art. No. 30130
3507		of polyamide 66, grey Packing unit: 100 pcs W=2mm, L=60mm, H=56mm	Terminals for stringent demands 10mm² Series 3426
3508		of polyamide 66, grey Packing unit: 100 pcs W=2mm, L=60mm, H=60mm	Terminals for stringent demands 16mm² Series 3427
3509		of polyamide 66, grey Packing unit: 100 pcs W=2mm, L=68mm, H=76mm	Terminals for stringent demands 35mm² Series 3428
30321		of polyamide 66, grey Packing unit: 50 pcs W=2mm, L=56mm, H=39mm	Disconnecting knife terminals 2.5mm² Art. No. 30870, Art. No. 30870P

Partitions to stud terminals

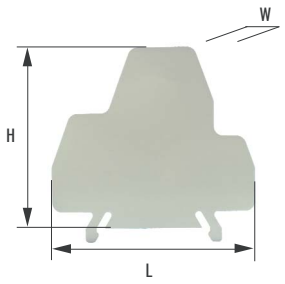
3497		of polyamide 66, grey. Packing unit: 50 pcs W=6mm, L=125mm, H=70mm Pure partition, without molded threaded bolt. 6-figure marking on both sides with labels 3x6mm 3957/. or 3958/.	Stud terminals 95+150mm² series 30286M8, series 30286M10 Conductor terminal 95mm² series 30285M8
3497M5		of polyamide 66, grey. Packing unit: 50 pcs W=6mm, L=125mm, H=80mm Partition, with molded threaded bolt M5 and knurled nut ∅ 16 mm of plastic for fastening a terminal cover. Marking see 3497.	Stud terminals 95+150mm² series 30286M8, series 30286M10 Conductor terminal 95mm² series 30285M8
3499		of polyamide 66, grey. Packing unit: 10 pcs W=6mm, L=200mm, H=89mm Pure partition, without molded threaded bolts. 6-figure marking on both sides with labels 3x6mm 3957/. or 3958/.	Stud terminals 240mm² series 30286M12 Conductor terminal 240mm² series 30285M12
3499M5		of polyamide 66, grey. Packing unit: 50 pcs W=6mm, L=200mm, H=99mm Partition, with molded threaded bolt M5 and knurled nut ∅ 16 mm of plastic for fastening a terminal cover. Marking see 3499.	Stud terminals 240mm² series 30286M12 Conductor terminal 240mm² series 30285M12

Partitions to special terminals

Article number	Illustration	Technical data	for terminals
3445		of polyamide 66, grey Packing unit: 100 pcs W=2mm, L=70mm, H=36mm	Terminals for flat push-on connectors 2.5mm² Art. No. 3440GR
3506		of polyamide 66, grey Packing unit: 100 pcs W=2mm, L=55mm, H=50mm	Terminals for flat push-on connectors 2.5mm² Art. No. 30137GR, Art. No. 30138GR, Art. No. 30143GR



Push-in barriers for inserting into mounted terminal arrays to separate adjacent cross-connection links.



Push-in barriers to terminal series Compact

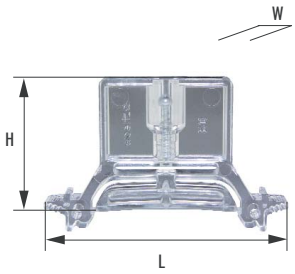
Article number	Illustration	Technical data	for terminals
30893		of polyester, white Dielectric strength: 280 kV/mm according to ASTM D-149-64 Packing unit: 200 pcs W=0.5mm, L=83mm, H=62mm	Two-step terminals with disconnecting function 2.5mm² Art. No. 30890, Art. No. 30891
80254		of polyester, white Dielectric strength: 280 kV/mm according to ASTM D-149-64 Packing unit: 100 pcs W=0.35mm, L=62mm, H=55.5mm	Two-step terminals 2.5-4mm² series 30860, series 3430
80256		of polyester, white Dielectric strength: 280 kV/mm according to ASTM D-149-64 Packing unit: 100 pcs W=0.35mm, L=37mm, H=40mm	Basic terminals 2.5-4mm² series 30150, series 3450

Push-in barriers for series Comfort and for special terminals

Article number	Illustration	Technical data	for terminals
80255		of polyester, white Dielectric strength: 280 kV/mm according to ASTM D-149-64 Packing unit: 100 pcs W=0.35mm, L=45mm, H=49.5mm	Terminals for stringent demands 2.5-6mm² series 30128, series 3424, series 3425, Terminals for flat push-on connectors 2.5mm² Art. No. 30138GR, Art. No. 30137GR

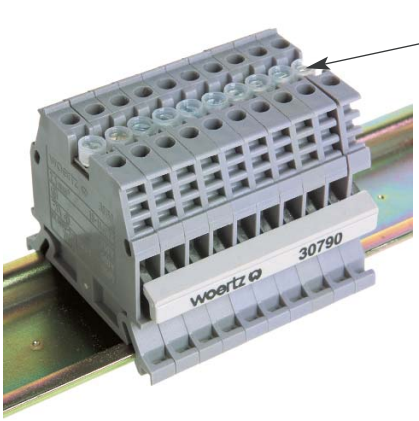
Stoppers and stop pieces

To prevent terminal blocks from sliding along the rail, stoppers or stop pieces have to be clipped on both ends. Several versions of different sizes are available. They are made of macrolon, nickel-plated brass or aluminum alloy, with base element to DIN rails. Terminal height and width determine the choice of the suitable stopper.



Stoppers and stop pieces to terminal series Compact and Comfort and to special and branching terminals

Article number	Illustration	Technical data
3418		**Stopper** of macrolon with combined recessed-head screw ∅ 3x12mm Phillips No. 1, slot No. 3, torque 0.8 Nm Packing unit: 50 pcs W=7.5mm, L=56mm, H=30mm
30370		**Stopper** of nickel-plated brass with screw M3, torque 0.8 Nm Packing unit: 100 pcs W=6mm, L=50mm, H=23mm
30199		**Stop piece** of aluminum alloy with push-in barrier of plastic with screw M3, torque 0.8 Nm Packing unit: 25 pcs W=12mm, L=50mm, H=50mm



To be screwed in connecting bars. Cross-connections are used to jumper adjacent terminals. They are of nickel-plated brass. Complete cross-connections are available with connecting pins, screws, washers and spacer sleeves. They are protected against accidental contact with insulated screw heads. Standard separable versions: 2-, 3-, 4-, 5- and 10-part.

Insulated cross-connections to terminal series Compact and to special terminals

Article number	Description Illustration	Technical data	for terminals
81505/2 81505/3 81505/4 81505/5 81505/10	**Cross-connections** 2-part 3-part 4-part 5-part 10-part	6mm wide 1mm thick Hole ∅ =3mm Complete, with screws, washers and spacer sleeves Packing unit: 10 pcs	Basic terminals 2.5mm² series 30150 Y-terminals 2.5mm² series 30903 X-terminals 2.5mm² series 30973
81505	**Separate connecting pin**	of nickel-plated brass with screw with insulated head, washer and spacer sleeve Spacer sleeve: length=10.5mm, outside ∅ =4mm Screw M2.5x16 Packing unit: 100 pcs	
30408	**Links**	of nickel-plated brass for connecting two adjacent cross-connection links without pin Packing unit: 50 pcs	
81506/2 81506/3 81506/4 81506/5 81506/10	**Cross-connections** 2-part 3-part 4-part 5-part 10-part	8mm wide 1mm thick Hole ∅ =3.5mm Complete, with screws, washers and spacer sleeves Packing unit: 10 pcs	Basic terminals 4mm² series 3450 Y-terminals 4mm² series 30904
81506	**Separate connecting pin**	of nickel-plated brass with screw with insulated head, washer and spacer sleeve Spacer sleeve: length=10.5mm, outside ∅ =4mm Screw M3x17 Packing unit: 100 pcs	
81410L	**Links**	of nickel-plated brass for connecting two adjacent cross-connection links without pin Packing unit: 100 pcs	

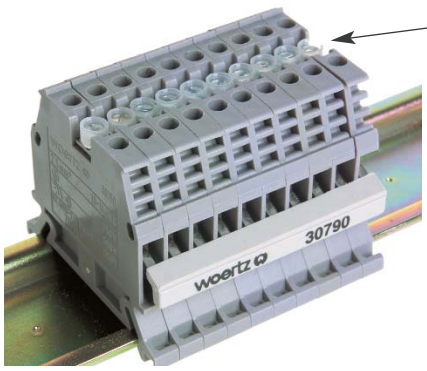
Insulated cross-connections and accessories

Article number	Description Illustration	Technical data	for terminals
81507/2	**Cross-connections** 2-part	7.5mm wide 1.5mm thick Hole ∅ =3.5mm	Basic terminals 6mm² series 3452/6 Two-step terminals 6mm² series 3410
81507/3	3-part	Complete, with screws, washers and spacer sleeves	
81507/4	4-part	Packing unit: 10 pcs	
81507/5	5-part		
81507/10	10-part		
81506	**Separate connecting pin** 	of nickel-plated brass with screw with insulated head, washer and spacer sleeve Spacer sleeve: length=10.5mm, outside ∅ =4mm Screw M3x17 Packing unit: 100 pcs	
81452L	**Links** 	of nickel-plated brass for connecting two adjacent cross-connection links without pin Packing unit: 100 pcs	
81508/2	**Cross-connections** 2-part	8mm wide 1.5mm thick Hole ∅ =3.5mm	Basic terminals 10mm² series 3452/10
81508/3	3-part	Complete, with screws, washers and spacer sleeves	
81508/4	4-part	Packing unit: 10 pcs	
81508/5	5-part		
81508/10	10-part		
81508	**Separate connecting pin** 	of nickel-plated brass with screw with insulated head, washer and spacer sleeves Specer sleeve: length=13.5mm, outside ∅ =5mm Screw M3x20 Packing unit: 100 pcs	
81412L	**Links** 	of nickel-plated brass for connecting two adjacent cross-connection links without pin Packing unit: 100 pcs	
81525/2	**Cross-connections** 2-part	6mm wide 1mm thick Hole ∅ =3mm	Two-step terminals 2.5mm² series 30860 Return terminal 2.5mm² Art. No. 30810
81525/3	3-part	Complete, with screws, washers and spacer sleeves	
81525/4	4-part	Packing unit: 10 pcs	
81525/5	5-part		
81525/10	10-part		
81525	**Separate connecting pin** 	of nickel-plated brass with screw with insulated head, washer and spacer sleeve Spacer sleeve: length=9.5mm, outside ∅ =4mm Screw M2.5x16 Packing unit: 100 pcs	
30408	**Links** 	of nickel-plated brass for connecting two adjacent cross-connection links without pin Packing unit: 50 pcs	

Article number	Description Illustration	Technical data	for terminals
81526/2 81526/3 81526/4 81526/5 81526/10	**Cross-connections** 2-part 3-part 4-part 5-part 10-part	6mm wide 1mm thick Hole ∅ =3.5mm Complete, with screws, washers and spacer sleeves Packing unit: 10 pcs	Two-step terminals 4mm² series 3430, 3430/1P Two-step terminals with disconnecting function 2.5mm² Art. No. 30890, Art. No. 30891 Terminals for flat push-on connectors 2.5mm² Art. No. 30138GR, Art. No. 30137GR
81526	**Separate connecting pin** 	of nickel-plated brass with screw with insulated head, washer and spacer sleeve Spacer sleeve: length=9mm, outside ∅ =4mm Screw M3x14 Packing unit: 100 pcs	
30441	**Links** 	of nickel-plated brass for connecting two adjacent cross-connection links without pin Packing unit: 100 pcs	
81535/2 81535/3 81535/4 81535/5 81535/10	**Cross-connections** 2-part 3-part 4-part 5-part 10-part	6mm wide 1mm thick Hole ∅ =3mm Complete, with screws, washers and spacer sleeves Packing unit: 10 pcs	Three-step terminals for proximity switches 2.5mm² Series 30400, 30403
81535	**Separate connecting pin** 	of nickel-plated brass with screw with insulated head, washer and spacer sleeve Spacer sleeve: length=4mm, outside ∅ =4mm Screw M2.5x8	
30408	**Links** 	of nickel-plated brass for connecting two adjacent cross-connection links without pin Packing unit: 50 pcs	
81536/2 81536/3 81536/4 81536/5 81536/10	**Cross-connections** 2-part 3-part 4-part 5-part 10-part	6mm wide 1mm thick Hole ∅ =3mm Complete, with screws, washers and spacer sleeves Packing unit: 10 pcs	Three-step installation terminals 4mm² series 30430, 30431/1, 30431/2, 30432
81536	**Separate connecting pin** 	of nickel-plated brass with screw with insulated head, washer and spacer sleeve Spacer sleeve: length=4mm, outside ∅ =4mm Screw M2.5x10 Packing unit: 100 pcs	
30441	**Links** 	of nickel-plated brass for connecting two adjacent cross-connection links without pin Packing unit: 100 pcs	

Insulated cross-connections and accessories

Article number	Description Illustration	Technical data	for terminals
	Cross-connections	9mm wide 3mm thick Hole ∅ =4.5mm	Basic terminals 16mm² series 3452/16
81541/2	2-part		
81541/3	3-part	Complete, with screws, washers and spacer sleeves	
81541/4	4-part	Packing unit: 10 pcs	
81541/5	5-part		
81541/10	10-part		
81541	**Separate connecting pin**	of nickel-plated brass with screw with insulated head, washer and spacer sleeve Spacer sleeve: length=12.2mm, outside ∅ =6mm Screw M4x24 Packing unit: 100 pcs	
81414L	**Links**	of nickel-plated brass for connecting two adjacent cross-connection links without pin Packing unit: 100 pcs	



To be screwed in connecting bars. Cross-connections are used to jumper adjacent terminals. They are of nickel-plated brass. Complete cross-connections are available with connecting pins, screws, washers and spacer sleeves. They are protected against accidental contact with insulated screw heads. Standard separable versions: 2-, 3-, 4-, 5- and 10-part.

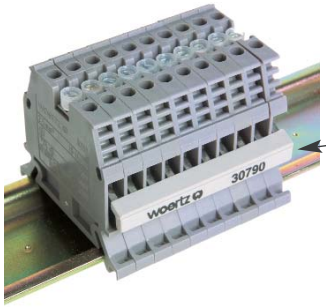
Insulated cross-connections to terminal series Comfort

Article number	Description Illustration	Technical data	for terminals
	Cross-connections	9mm wide 3mm thick Hole ∅ =4.5mm	Terminals for stringent demands 16mm² series 3427
81501/2	2-part		
81501/3	3-part	Complete, with screws, washers and spacer sleeves	
81501/4	4-part	Packing unit: 10 pcs	
81501/5	5-part		
81501/10	10-part		
81501	**Separate connecting pin**	of nickel-plated brass with screws with insulated head, washer and spacer sleeve Spacer sleeve: length=15.5mm, outside ∅ =6mm Screw M4x25 Packing unit: 100 pcs	
81414L	**Links**	of nickel-plated brass for connecting two adjacent cross-connection links without pin Packing unit: 100 pcs	

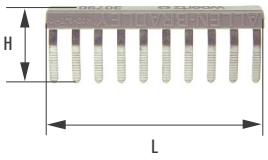
Article number	Description Illustration	Technical data	for terminals
81504/2 81504/3 81504/4 81504/5 81504/10	**Cross-connections** 2-part 3-part 4-part 5-part 10-part	10mm wide 3.5mm thick Hole ∅ =4.5mm Complete, with screws, washers and spacer sleeves Packing unit: 10 pcs	Terminals for stringent demands 35mm² series 3428
81504	**Separate connecting pin** 	of nickel-plated brass with screw with insulated head, washer and spacer sleeve Spacer sleeve: length=20mm, outside ∅ =8mm Screw M4x32 Packing unit: 100 pcs	
81415L	**Links** 	of nickel-plated brass for connecting two adjacent cross-connection links without pin Packing unit: 100 pcs	
81546/2 81546/3 81546/4 81546/5 81546/10	**Cross-connections** 2-part 3-part 4-part 5-part 10-part	8mm wide 1mm thick Hole ∅ =3.5mm Complete, with screws, washers and spacer sleeves Packing unit: 10 pcs	Terminals for stringent demands 2.5mm² series 30128
81546	**Separate connecting pin** 	of nickel-plated brass with screw with insulated head, washer and spacer sleeve Spacer sleeve: length=13.5mm, outside ∅ =4mm Screw M3x18 Packing unit: 100 pcs	
81410L	**Links** 	of nickel-plated brass for connecting two adjacent cross-connection links without pin Packing unit: 100 pcs	
81548/2 81548/3 81548/4 81548/5 81548/10	**Cross-connections** 2-part 3-part 4-part 5-part 10-part	8mm wide 1.5mm thick Hole ∅ =3.5mm Complete, with screws, washers and spacer sleeves Packing unit: 10 pcs	Terminals for stringent demands 6mm² series 3425
81548	**Separate connecting pin** 	of nickel-plated brass with screw with insulated head, washer and spacer sleeve Spacer sleeve: length=11.5mm, outside ∅ =5mm Screw M3x18 Packing unit: 100 pcs	
81412L	**Links** 	of nickel-plated brass for connecting two adjacent cross-connection links without pin Packing unit: 100 pcs	

Insulated cross-connections and accessories

Article number	Description Illustration	Technical data	for terminals
81549/2	**Cross-connections** 2-part	8mm wide 1.5mm thick Hole ∅ =3.5mm	Terminals for stringent demands 10mm² series 3426
81549/3	3-part	Complete, with screws, washers and spacer sleeves	
81549/4	4-part	Packing unit: 10 pcs	
81549/5	5-part		
81549/10	10-part		
81549	**Separate connecting pin** 	of nickel-plated brass with screw with insulated head, washer and spacer sleeve Spacer sleeve: length=13.5mm, outside ∅ =5mm Screw M3x20 Packing unit: 100 pcs	
81413L	**Links** 	of nickel-plated brass for connecting two adjacent cross-connection links without pin Packing unit: 100 pcs	
81556/2	**Cross-connections** 2-part	8mm wide 1mm thick Hole ∅ =3.5mm	Terminals for stringent demands 4mm² series 3424
81556/3	3-part	Complete, with screws, washers and spacer sleeves	
81556/4	4-part	Packing unit: 10 pcs	
81556/5	5-part		
81556/10	10-part		
81556	**Separate connecting pin** 	of nickel-plated brass with screw with insulated head, washer and spacer sleeve Spacer sleeve: length=11.5mm, outside ∅ =4mm Screw M3x18 Packing unit: 100 pcs	
80410L	**Links** 	of nickel-plated brass for connecting two adjacent cross-connection links without pin Packing unit: 100 pcs	



Cross-junction racks to be inserted into terminal opening from front side



Cross-junction racks to terminal series Compact

Article number	Illustration	Technical data	for terminals
30413BL 30413RO		of nickel-plated copper, 20-part with insulating tape, can be cut to any desired length with cutting tool grid 5.08mm, L=101.6mm, H=17mm Packing unit: 100 pcs	Three-step terminals for proximity switches 2.5mm² Art. No. 30400, Art. No. 30403
30414BL 30414RO		of nickel-plated copper, 22-part with insulating tape, can be cut to any desired length with cutting tool grid 5.08mm, L=111.76mm, H=17mm Packing unit: 100 pcs	Three-step terminals for proximity switches 2.5mm² Art. No. 30400, Art. No. 30403
30790		of nickel-plated copper, 10-part with insulation of polyester, can be cut to any desired length with cutting tool L=49mm, H=16mm Packing unit: 100 pcs	Basic terminals 2.5mm² series 30150 Y-terminals 2.5mm² series 30903 X-terminals 2.5mm² series 30973 Two-step terminals 2.5mm² series 30860
30790/9		of nickel-plated copper, 10-part, can be cut to any desired length with cutting tool grid 9mm, L=85mm, H=17.5mm Insulation profile see below Packing unit: 100 pcs	Fuse terminals 4mm² series 30935 for fuses 1/4″x1¼″ (6.3x32mm)
30790/9IS		Insulation profile for cross-junction rack Art. No. 30790/9 can be cut to any desired length with cutting tool L=305mm Packing unit: 10 pcs	Fuse terminals 4mm² series 30935 for fuses 1/4″x1¼″ (6.3x32mm)
30790/17		of copper, with insulation of PVC can be cut to any desired length with cutting tool grid 17mm, L=1m Packing unit: 10 pcs	Fuse terminals 10mm² series 30940 for fuses 13/32″x1½″ (10.3x38mm)
30791		of nickel-plated copper, 10-part with insulation of polyester, can be cut to any desired length with cutting tool L=58mm, H=16.5mm Packing unit: 100 pcs	Basic terminals 4mm² series 3450 Y-terminals 4mm² series 30904 Two-step terminals 4mm² series 3430 Two-step terminals with disconnecting function 2.5mm² Art. No. 30890, Art. No. 30891
30792		of nickel-plated copper, 10-part with insulation of polyester, can be cut to any desired length with cutting tool L=78mm, H=22mm Packing unit: 100 pcs	Basic terminals 10mm² series 3452/10
30798		of nickel-plated copper, 10-part with insulation of polyester, can be cut to any desired length with cutting tool grid 8mm, L=78mm, H=13mm Packing unit: 100 pcs	Miniature fuse terminals 4mm² series 30930 for fuses 5x20mm

Cross-junction racks

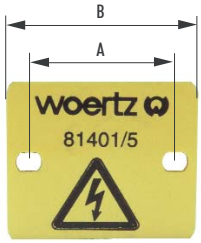
Cross-junction racks to terminal series Comfort

Article number	Illustration	Technical data	for terminals
30179		of nickel-plated brass, 10-part, can be cut to any desired length with cutting tool for clamping with screw head Packing unit: 50 pcs	Lateral disconnecting terminals 10mm² Art. No. 30172
30790		of nickel-plated copper, 10-part with insulation of polyester, can be cut to any desired length with cutting tool L=49mm, H=16mm Packing unit: 100 pcs	Terminals for stringent demands 2.5mm² series 30128 Knife disconnecting terminals 2.5mm² Art. No. 30870, Art. No. 30870P
30791		of nickel-plated copper, 10-part with insulation of polyester, can be cut to any desired length with cutting tool L=58mm, H=16.5mm Packing unit: 100 pcs	Terminals for stringent demands 4mm² series 3424
30792		of nickel-plated copper, 10-part with insulation of polyester, can be cut to any desired length with cutting tool L=78mm, H=22mm Packing unit: 100 pcs	Terminals for stringent demands 6mm² series 3425

Cross-junction racks to special terminals

30420/20		of copper, tinned, 20-part (different number of parts on request), with insulating tape, can be cut to any desired length with cutting tool L=132mm, H=25mm Packing unit: 50 pcs	Terminal for flat push-on connectors 2.5mm² Art. No. 3440GR

Some applications and codes require the connection terminals to be covered to prevent any accidental contact. Covers of yellow plastic with a warning arrow in black are available in different dimensions.



These covers are fixed on the central threads of the terminals with two fastening screws of polyamide 66. Covers available for 4, 5, 6, 7 or 8 terminals.
Sealing eyelets can be used to avoid any damage to the terminal covers.

Terminal covers to terminal series Compact and to special terminals

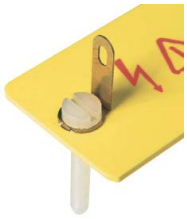
Article number	Description Illustration	Technical data	for terminals
3826/4 3826/5 3826/6 3826/7 3826/8	**Terminal covers** for 4 terminals for 5 terminals for 6 terminals for 7 terminals for 8 terminals	of plastic, yellow with black marking with 2 fastening screws of polyamide 66 Packing unit: 10 pcs 1mm thick, 24mm high 3826/4: A=21mm, B=29mm 3826/5: A=28mm, B=36mm 3826/6: A=35mm, B=43mm 3826/7: A=42mm, B=50mm 3826/8: A=49mm, B=57mm	Basic terminals 6mm² series 3452/6 Two-step terminals 6mm² series 3410
17402 01068 3512	**Fastening screws** **Fastening screws** **Sealing screws**	M3x22 of polyamide 66 M3x25 of polyamide 66 M3x25 of polyamide 66 Packing unit: 50 pcs	
81440	**Sealing eyelets**	For bending over the heads of the fastening screws. Hole ∅ =3.2mm for fastening screws M2.5 and M3 Packing unit: 100 pcs	
3868/4 3868/5 3868/6 3868/7 3868/8	**Terminal covers** for 4 terminals for 5 terminals for 6 terminals for 7 terminals for 8 terminals	of plastic, yellow with black marking with 2 fastening screws of polyamide 66 Packing unit: 10 pcs 1mm thick, 30mm high 3868/4: A=33mm, B=44mm 3868/5: A=44mm, B=55mm 3868/6: A=55mm, B=66mm 3868/7: A=66mm, B=77mm 3868/8: A=77mm, B=88mm	Basic terminals 16mm² series 3452/16
01162	**Fastening screws**	M4x30 of polyamide 66	
81441	**Sealing eyelets**	For bending over the heads of the fastening screws. Hole ∅ =4.2mm for fastening screws M4 Packing unit: 100 pcs	

Terminal covers

Article number	Description Illustration	Technical data	for terminals
	Terminal covers	of plastic, yellow with black marking with 2 fastening screws of polyamide 66 Packing unit: 10 pcs 1mm thick, 24mm high 3886/4: A=18mm, B=26mm 3886/5: A=24mm, B=32mm 3886/6: A=30mm, B=38mm 3886/7: A=36mm, B=44mm 3886/8: A=42mm, B=50mm	Basic terminals 4mm² series 3450 Y-terminals 4mm² series 30904 Terminals for flat push-on connectors 2.5mm² Art. No. 30138GR*, Art. No. 30137GR
3886/4	for 4 terminals		
3886/5	for 5 terminals		
3886/6	for 6 terminals		
3886/7	for 7 terminals		
3886/8	for 8 terminals		
17402	**Fastening screws**	M3x22 of polyamide 66	
01068	**Fastening screws**	M3x25 of polyamide 66	
3512	**Sealing screws**	M3x25 of polyamide 66 Packing unit: 50 pcs	
81440	**Sealing eyelets** 	For bending over the heads of the fastening screws. Hole ∅ =3.2mm for fastening screws M2.5 and M3 Packing unit: 100 pcs	* for Art. No. 30138GR use only fastening screws M3x22 Art. No. 17402
	Terminal covers	of plastic, yellow with black marking with 2 fastening screws of polyamide 66 Packing unit: 10 pcs 1mm thick, 24mm high 3887/4: A=24mm, B=32mm 3887/5: A=32mm, B=40mm 3887/6: A=40mm, B=48mm 3887/7: A=48mm, B=56mm 3887/8: A=56mm, B=64mm	Basic terminals 16mm² series 3452/10
3887/4	for 4 terminals		
3887/5	for 5 terminals		
3887/6	for 6 terminals		
3887/7	for 7 terminals		
3887/8	for 8 terminals		
01068	**Fastening screws**	M3x25 of polyamide 66	
3512	**Sealing screws**	M3x25 of polyamide 66 Packing unit: 50 pcs	
81440	**Sealing eyelets** 	For bending over the heads of the fastening screws. Hole ∅ =3.2mm for fastening screws M2.5 and M3 Packing unit: 100 pcs	
	Terminal covers	of plastic, yellow with black marking with 2 fastening screws of polyamide 66 Packing unit: 10 pcs 1mm thick, 24 mm high 3894/4: A=18mm, B=26mm 3894/5: A=24mm, B=32mm 3894/6: A=30mm, B=38mm 3894/7: A=36mm, B=44mm 3894/8: A=42mm, B=50mm	Two-step terminals 4mm² series 3430
3894/4	for 4 terminals		
3894/5	for 5 terminals		
3894/6	for 6 terminals		
3894/7	for 7 terminals		
3894/8	for 8 terminals		
01062	**Fastening screws**	M3x20 of polyamide 66	
3512	**Sealing screws**	M3x25 of polyamide 66 Packing unit: 50 pcs	
81440	**Sealing eyelets** 	For bending over the heads of the fastening screws. Hole ∅ =3.2mm for fastening screws M2.5 and M3 Packing unit: 100 pcs	

Article number	Description Illustration	Technical data	for terminals
81401/4 81401/5 81401/6 81401/7 81401/8	**Terminal covers** for 4 terminals for 5 terminals for 6 terminals for 7 terminals for 8 terminals	of plastic, yellow with black marking with 2 fastening screws of polyamide 66 Packing unit: 10 pcs 1mm thick, 22mm high 81401/4: A=15mm, B=21mm 81401/5: A=20mm, B=26mm 81401/6: A=25mm, B=31mm 81401/7: A=30mm, B=36mm 81401/8: A=35mm, B=41mm	Basic terminals 2.5mm² series 30150 Y-terminals 2.5mm² series 30903 X-terminals 2.5mm² series 30973 Two-step terminals 2.5mm² series 30860
08569	**Fastening screws**	M2.5x20 of polyamide 66	
81440	**Sealing eyelets** 	For bending over the heads of the fastening screws. Hole ∅ =3.2mm for fastening screws M2.5 and M3 Packing unit: 100 pcs	

Some applications and codes require the connection terminals to be covered to prevent any accidental contact. Covers of yellow plastic with a warning arrow in black are available in different dimensions.



These covers are fixed on the central threads of the terminals with two fastening screws of polyamide 66. Covers available for 4, 5, 6, 7 or 8 terminals.
Sealing eyelets can be used to avoid any damage to the terminal covers.

Terminal covers to terminal series Comfort

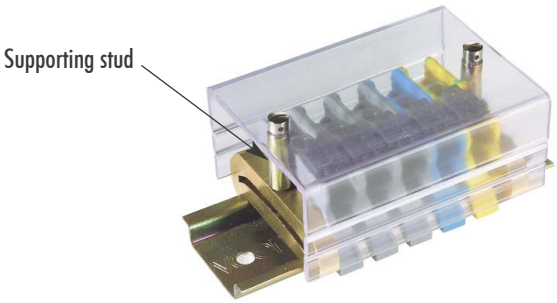
Article number	Description Illustration	Technical data	for terminals
3867/4 3867/5 3867/6 3867/7 3867/8	**Terminal covers** for 4 terminals for 5 terminals for 6 terminals for 7 terminals for 8 terminals	of plastic, yellow with black marking with 2 fastening screws of polyamide 66 Packing unit: 10 pcs 1mm thick, 30mm high 3867/4: A=27mm, B=35mm 3867/5: A=36mm, B=44mm 3867/6: A=45mm, B=53mm 3867/7: A=54mm, B=62mm 3867/8: A=63mm, B=71mm	Terminals for stringent demands 10mm² series 3426
01068	**Fastening screws**	M3x25 of polyamide 66	
3512	**Sealing screws**	M3x25 of polyamide 66 Packing unit: 50 pcs	
81440	**Sealing eyelets** 	For bending over the heads of the fastening screws. Hole ∅ =3.2mm for fastening screws M2.5 and M3 Packing unit: 100 pcs	

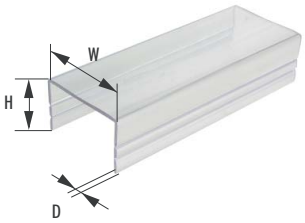
Terminal covers

Article number	Description Illustration	Technical data	for terminals
3868/4 3868/5 3868/6 3868/7 3868/8	**Terminal covers** for 4 terminals for 5 terminals for 6 terminals for 7 terminals for 8 terminals	of plastic, yellow with black marking with 2 fastening screws of polyamide 66 Packing unit: 10 pcs 1mm thick, 30mm high 3868/4: A=33mm, B=44mm 3868/5: A=44mm, B=55mm 3868/6: A=55mm, B=66mm 3868/7: A=66mm, B=77mm 3868/8: A=77mm, B=88mm	Terminals for stringent demands 16mm² series 3427
01162	**Fastening screws**	M4x30 of polyamide 66	
81441	**Sealing eyelets** 	For bending over the heads of the fastening screws. Hole ∅ =4.2mm for fastening screws M4 Packing unit: 100 pcs	
3869/4 3869/5 3869/6 3869/7 3869/8	**Terminal covers** for 4 terminals for 5 terminals for 6 terminals for 7 terminals for 8 terminals	of plastic, yellow with black marking with 2 fastening screws of polyamide 66 Packing unit: 10 pcs 1mm thick, 37mm high 3869/4: A=42mm, B=53mm 3869/5: A=56mm, B=67mm 3869/6: A=70mm, B=81mm 3869/7: A=84mm, B=95mm 3869/8: A=98mm, B=109mm	Terminals for stringent demands 35mm² series 3428
01165	**Fastening screws**	M4x35 of polyamide 66	
81441	**Sealing eyelets** 	For bending over the heads of the fastening screws. Hole ∅ =4.2mm for fastening screws M4 Packing unit: 100 pcs	
3886/4 3886/5 3886/6 3886/7 3886/8	**Terminal covers** for 4 terminals for 5 terminals for 6 terminals for 7 terminals for 8 terminals	of plastic, yellow with black marking with 2 fastening screws of polyamide 66 Packing unit: 10 pcs 1mm thick, 24mm high 3886/4: A=18mm, B=26mm 3886/5: A=24mm, B=32mm 3886/6: A=30mm, B=38mm 3886/7: A=36mm, B=44mm 3886/8: A=42mm, B=50mm	Terminals for stringent demands 4mm² series 3424
01068	**Fastening screws**	M3x25 of polyamide 66	
3512	**Sealing screws**	M3x25 of polyamide 66 Packing unit: 50 pcs	
81440	**Sealing eyelets** 	For bending over the heads of the fastening screws. Hole ∅ =3.2mm for fastening screws M2.5 and M3 Packing unit: 100 pcs	

Article number	Description Illustration	Technical data	for terminals
3887/4 3887/5 3887/6 3887/7 3887/8	**Terminal covers** for 4 terminals for 5 terminals for 6 terminals for 7 terminals for 8 terminals	of plastic, yellow with black marking with 2 fastening screws of polyamide 66 Packing unit: 10 pcs 1mm thick, 24mm high 3887/4: A=24mm, B=32mm 3887/5: A=32mm, B=40mm 3887/6: A=40mm, B=48mm 3887/7: A=48mm, B=56mm 3887/8: A=56mm, B=64mm	Terminals for stringent demands 6mm² series 3425
01068	**Fastening screws**	M3x25 of polyamide 66	
3512	**Sealing screws**	M3x25 of polyamide 66 Packing unit: 50 pcs	
81440	**Sealing eyelets** 	For bending over the heads of the fastening screws. Hole ∅ =3.2mm for fastening screws M2.5 and M3 Packing unit: 100 pcs	
81427 81428 81429 81430 81431	**Terminal covers** for 4 terminals for 5 terminals for 6 terminals for 7 terminals for 8 terminals	of plastic, yellow with black marking with 2 fastening screws of polyamide 66 Packing unit: 10 pcs 1mm thick, 24mm high 81427: A=18mm, B=26mm 81428: A=24mm, B=32mm 81429: A=30mm, B=38mm 81430: A=36mm, B=44mm 81431: A=42mm, B=50mm	Terminals for stringent demands 2.5mm² series 30128
17402	**Fastening screws**	M3x22 of polyamide 66	
81440	**Sealing eyelets** 	For bending over the heads of the fastening screws. Hole ∅ =3.2mm for fastening screws M2.5 and M3 Packing unit: 100 pcs	

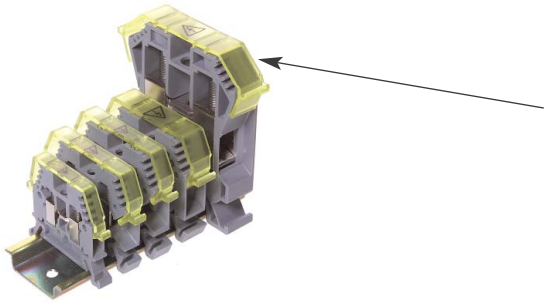
Protection against accidental contact



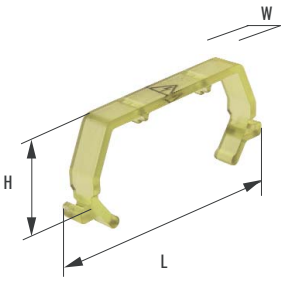


Protection against accidental contact for branching terminals

Article number	Illustration	Technical data	for terminals
80079/10		of PVC, transparent with predetermined breaking points Delivered in lengths of 1m, to be cut and bored by customer D=2mm, W=54mm, H=32mm Packing unit: 18 pcs	Branching terminals 2.5mm² Art. No. 30840 and supporting studs Art. No. 80059/31 Branching terminals 6mm² Art. No. 30841 and supporting studs Art. No. 80059/38 Branching terminals 10mm² Art. No. 30842 and supporting studs Art. No. 80059/45 Supporting studs have to be ordered separately, see page 1.1.106
80079/35		of PVC, transparent with predetermined breaking points Delivered in lengths of 1m, to be cut and bored by customer D=2mm, W=62mm, H=40mm Packing unit: 24 pcs	Branching terminals 16mm² Art. No. 30843 and supporting studs Art. No. 80059/45 Branching terminals 35mm² Art. No. 30844 and supporting studs Art. No. 80059/55 Supporting studs have to be ordered separately, see page 1.1.106
80079/120		of PVC, transparent with predetermined breaking points Delivered in lengths of 1m, to be cut and bored by customer D=2mm, W=84mm, H=52mm Packing unit: 16 pcs	Branching terminals 70mm² Art. No. 3468 and supporting studs Art. No. 80059/65 Branching terminals 120mm² Art. No. 3469 and supporting studs Art. No. 80059/75 Supporting studs have to be ordered separately, see page 1.1.106



Cover with warning sign
printed in black



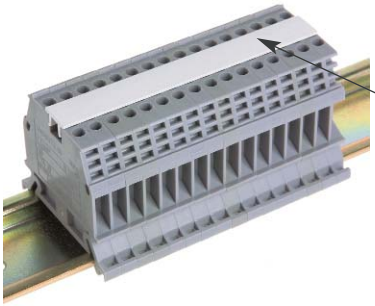
Warning plates to terminal series Compact

Article number	Illustration	Technical data	for terminals
80049/4		of PVC, transparent yellow with black marking W=5.6mm, L=47.8mm, H=18.6mm Packing unit: 10 pcs	Basic terminals 4mm² series 3450
80049/6		of PVC, transparent yellow with black marking W=6.8mm, L=56.4mm, H=15.7mm Packing unit: 10 pcs	Basic terminals 6mm² series 3452/6
80049/10		of PVC, transparent yellow with black marking W=7.8mm, L=56.4mm, H=15.7mm Packing unit: 10 pcs	Basic terminals 10mm² series 3452/10
80049/16		of PVC, transparent yellow with black marking W=10.8mm, L=56.4mm, H=15.7mm Packing unit: 10 pcs	Basic terminals 16mm² series 3452/16

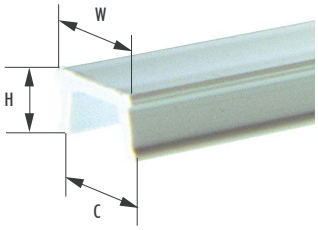
Warning plate to terminal series Comfort

Article number	Illustration	Technical data	for terminals
80049/35		of PVC, transparent yellow with black marking W=12.8mm, L=71.2mm, H=15.35mm Packing unit: 10 pcs	Terminals for stringent demands 35mm² series 3428

Covers to cross-connectors



Cover to cross-connector

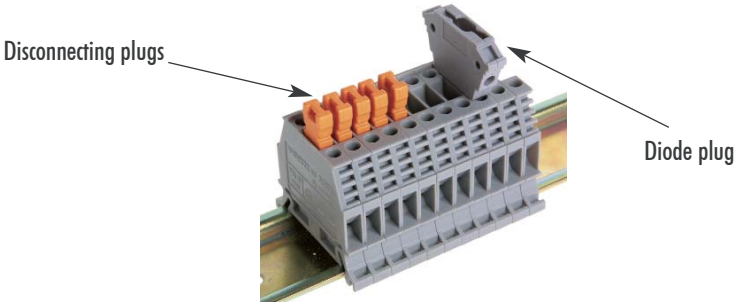


Covers to cross-connectors for terminal series Compact

Article number	Illustration	Technical data	for terminals
30421		of thermoplastic, white H=4.55mm, W=9.5mm, C=6.6mm, 280mm long Protection against accidental contact, also usable for additional marking. Packing unit: 25 pcs	Basic terminals 2.5mm² series 30150 Y-terminals 2.5mm² series 30903 X-terminals 2.5mm² series 30973 Two-step terminals 2.5mm² series 30860 Two-step terminals 4mm² series 3430

Covers to cross-connectors for series Compact and Comfort

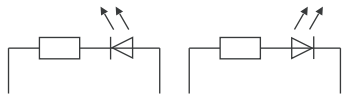
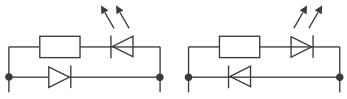
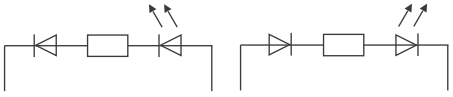
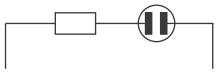
30422		of thermoplastic, white H=4.55mm, W=9.5mm, C=9.4mm, 280mm long Protection against accidental contact, also usable for additional marking. Packing unit: 25 pcs	Basic terminals 4mm² series 3450 Basic terminals 6mm² series 3452/6 Basic terminals 10mm² series 3452/10 Y-terminals 4mm² series 30904 Terminals for stringent demands 2.5mm² series 30128 Terminals for stringent demands 4mm² series 3424 Terminals for stringent demands 6mm² series 3425 Terminals for stringent demands 10mm² series 3426



Disconnecting plugs to terminal series Compact and Comfort

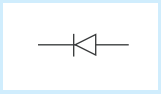
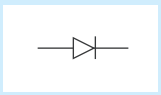
Article number	Illustration	Technical data	for terminals
3821		separate, orange 800V 20A 600 V 20A 600 V 20A Packing unit: 25 pcs Never handle plug when live!	Disconnecting terminals 2.5mm² Art. No. 30800, Art. No. 30800P Two-step terminals 2.5mm² Art. No. 30890, Art. No. 30891 Disconnecting terminals 2.5mm² Art. No. 30123, Art. No. 30124, Art. No. 30127, Art. No. 30130

Component plugs to terminal series Compact and Comfort

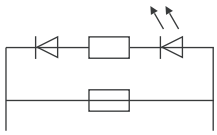
30132		separate, grey Empty. Equipped on request (see examples) Can be attached to terminal only in one direction. Marking facilities on both sides with labels RB/5x5 Never handle plug when live!	Disconnecting terminals 2.5mm² Art. No. 30800 Two-step terminals with disconnecting function 2.5mm² Art. No. 30890, Art. No. 30891 Disconnecting terminals 2.5mm² Art. No. 30127
Example 1: with red light emitting diode ∅ 3mm and with resistor			
Example 2: with red light emitting diode ∅ 3mm with resistor and with protective diode 1N 4007 mounted in parallel. Application: voltage indication for relay with freewheel diode			
Example 3: with light emitting diode ∅ 3mm, red with resistor and with protective diode 1N 4007 for alternating voltage			
Example 4: with glow lamp for voltage indication and with resistor			

Diode plugs and fuse plugs

Diode plugs to terminal series Compact and Comfort

Article number	Illustration	Technical data	for terminals
30133  **30205** 		separate, grey Can be attached to terminal only in one direction. Marking on both sides with labels RB/5x5 with mounted diode (Ta=25°C) Maximum reverse voltage: 1000V Maximum continuous current: (terminals arranged in array, used continuously) 0.7A Maximum surge current 30A Voltage drop across diode: ~ 0.8V (max. 1.1V) Leakage current: <10µA (diode series 1N 4007) Mind marking on top of the plug. Never handle the plugs when live!	Disconnecting terminals 2.5mm² Art. No. 30800 Two-step terminals with disconnecting function 2.5mm² Art. No. 30890, Art. No. 30891 Disconnecting terminals 2.5mm² Art. No. 30127

Fuse plugs to terminal series Compact and Comfort

		separate, black Can be attached to terminal only in one direction. available with LED 24V or with LED 230V, which lights up when the fuse is damaged. 3-figure marking on both sides with labels 3957/., 3958/. or RB/6x9 The fuse plugs are delivered without fuse. Never handle plug when live!	Disconnecting terminals 2.5mm² Art. No. 30800 Two-step terminals with disconnecting function 2.5mm² Art. No. 30890, Art. No. 30891 Disconnecting terminals 2.5mm² Art. No. 30127
30134 without indicator		**Art. No. 30134** without LED 250V max. 4A, for fuse 5x20mm, 6.3A 300 V 10A 300 V 10A	
30134/24 with indicator with LED 24V 		**Art. No. 30134/24** AC: 15-30V / DC: 10-25V / Leakage current: 0.8-2mA 250V max. 4A, for fuse 5x20mm, 6.3A 300 V 10A 300 V 10A Mind marking on the sides and on top of the plug.	
30134/230 with indicator with LED 230V 		**Art. No. 30134/230** AC: 80-250V / DC: 40-125V / Leakage current: 0.5-2mA 250V max. 4A, for fuse 5x20mm, 6.3A 300 V 10A 300 V 10A Mind marking on the sides and on top of the plug.	

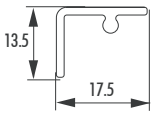
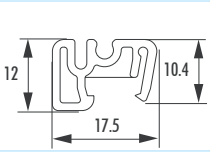
Clamps to terminal series Comfort

Article number	Illustration	Technical data	for terminals
3838		for busbars for neutral conductors to connect a round Cu conductor 10-16mm² (rigid) Clamping screw M5 Packing unit: 100 pcs	Detachable neutral conductors, neutral disconnecting terminals 4mm² Art. No. 30290 6mm² Art. No. 30291 4mm² Art. No. 3472BL 6mm² Art. No. 3477BL 16mm² Art. No. 3473BL 4mm² Art. No. 30197 6mm² Art. No. 30200
3839		for busbars for neutral conductors to connect a round Cu conductor 25-35mm² (flexible) Clamping screw M6 Packing unit: 50 pcs	

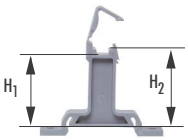
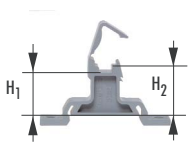
Busbars to terminal series Compact and Comfort and to special terminals

3859		of tinned electrolytic copper length 1m 10x2mm Packing unit: 1 pcs	Three-step installation terminal 4mm² Art. No. 30430, Detachable neutral conductors, neutral disconnecting terminals 4mm² Art. No. 30290 6mm² Art. No. 30291 4mm² Art. No. 3472BL 6mm² Art. No. 3477BL 16mm² Art. No. 3473BL 4mm² Art. No. 30197 6mm² Art. No. 30200
3856		of tinned electrolytic copper length 1m 10x3mm Packing unit: 1 pcs	

Accessories for neutral busbars

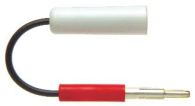
81445		**Cover**, transparent, to neutral busbars 10x2mm and 10x3mm, length 1m Packing unit: 1 pcs	Three-step installation terminal 4mm² Art. No. 30430, Detachable neutral conductors, neutral disconnecting t. 4mm² Art. No. 30290 6mm² Art. No. 30291 4mm² Art. No. 3472BL 6mm² Art. No. 3477BL 16mm² Art. No. 3473BL 4mm² Art. No. 30197 6mm² Art. No. 30200 Terminals for busbar series 30950 see p. 1.1.70
81446		**Cover clips** for clipping on to neutral busbars 10x2mm and 10x3mm W=6mm Packing unit: 100 pcs	

Busbar carrier for special terminals

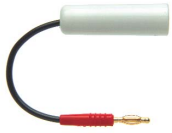
30956		of polyamide 66, grey, for neutral busbars 10x2mm and 10x3mm. For clipping on to mounting rails according to EN 60715 TH 35 of for screwing on with two M4 screws. Packing unit: 50 pcs. H1=35mm, H2=38mm	Busbars and busbar terminals see page 1.1.70
30957		of polyamide 66, grey, for neutral busbars 10x2mm and 10x3mm. For clipping on to mounting rails according to EN 60715 TH 35 or for screwing on with two M4 screws. Packing unit: 50 pcs. H1=20mm, H2=23mm	

Test plugs

Test plugs to terminal series Compact and Comfort

Article number	Illustration	Technical data	for terminals
2736R		Test plug ∅ 2.8mm of silver-plated brass. With hole for strands up to 0.75mm², protected against accidental contact. With red insulation. Packing unit: 10 pcs	for terminals 3410, 3424, 3425, 3426, 3430, 3430/1P, 3450, 3452/6, 3452/10, 30005, 30008, 30128, 30137, 30138, 30890, 30891, 30904
2736S		Test plug ∅ 2.8mm of silver-plated brass. With hole for strands up to 0.75mm², protected against accidental contact. With black insulation. Packing unit: 10 pcs	for terminals 3410, 3424, 3425, 3426, 3430, 3430/1P, 3450, 3452/6, 3452/10, 30005, 30008, 30128, 30137, 30138, 30890, 30891, 30904
2737R		Test plug ∅ 2.8mm of silver-plated brass. With strand 0.75mm² soldered in and insulated socket for banana plugs ∅ 4mm, protected against accidental contact. With red insulating sleeve. Packing unit: 10 pcs	for terminals 3410, 3424, 3425, 3426, 3430, 3430/1P, 3450, 3452/6, 3452/10, 30005, 30008, 30128, 30137, 30138, 30890, 30891, 30904
2737S		Test plug ∅ 2.8mm of silver-plated brass. With strand 0.75mm² soldered in and insulated socket for banana plugs ∅ 4mm, protected against accidental contact. With black insulating sleeve. Packing unit: 10 pcs	for terminals 3410, 3424, 3425, 3426, 3430, 3430/1P, 3450, 3452/6, 3452/10, 30005, 30008, 30128, 30137, 30138, 30890, 30891, 30904
3772PR		Test plug ∅ 2.3mm of silver-plated brass. With hole for strands up to 0.75mm². With red insulation. Packing unit: 100 pcs	for terminals 30123, 30130, 30800P
3772PS		Test plug ∅ 2.3mm of silver-plated brass. With hole for strands up to 0.75mm². With black insulation. Packing unit: 100 pcs	for terminals 30123, 30130, 30800P
80070R		Test adaptor (plug+adaptor in one piece), of gold-plated brass, outside ∅ 6mm. For plugging into central thread M3. With socket for banana plug ∅ 4mm, protected against accidental contact. With red insulating sleeve. Packing unit: 10 pcs	for terminals 3410, 3424, 3425, 3426, 3430, 3430/1P, 3450, 3452/6, 3452/10, 30005, 30008, 30128, 30137, 30138, 30890, 30891, 30904
80070S		Test adaptor (plug+adaptor in one piece), of gold-plated brass, outside ∅ 6mm. For plugging into central thread M3. With socket for banana plug ∅ 4mm, protected against accidental contact. With black insulating sleeve. Packing unit: 10 pcs	for terminals 3410, 3424, 3425, 3426, 3430, 3430/1P, 3450, 3452/6, 3452/10, 30005, 30008, 30128, 30137, 30138, 30890, 30891, 30904
80071R		Test adaptor (plug+adaptor in one piece), of gold-plated brass, outside ∅ 6mm. For plugging into central thread M4. With socket for banana plug ∅ 4mm, protected against accidental contact. With red insulating sleeve. Packing unit: 10 pcs	for terminals 3452/16, 3427, 3428
80071S		Test adaptor (plug+adaptor in one piece), of gold-plated brass, outside ∅ 6mm. For plugging into central thread M4. With socket for banana plug ∅ 4mm, protected against accidental contact. With black insulating sleeve. Packing unit: 10 pcs	for terminals 3452/16, 3427, 3428

Test plug for terminal series Compact and Comfort

Article number	Illustration	Technical data	for terminals
80220/6		Test adaptors for clipping on to terminal. Measuring fixture with strand for plumbing in the test adaptors. Test adaptors delivered in component parts: With 1 test pin of tinned brass with hole for strands up to 0.75mm², 1 coil spring and 1 insulating body. Procedure: insert coil spring from below into the insulating body. Push strand from above through the coil spring and solder it in to the test pin. Pull strand with test pin, which is soldered on, upward until the test pin snaps in. Test adaptors can be joined to blocks. Can also be inserted when cross-connection is mounted. Packing unit: 10 pcs	for terminals 3450
80222/6		Test adaptors for clipping on to two-step-terminal. Measuring fixture with strands for plumbing in the test adaptors. Test adaptors delivered in component parts: with 2 test pins of tinned brass with hole for strands up to 0.75mm², 2 coil springs and 1 insulating body. Procedure: insert coil springs into insulating body from below. Push strands from above through coil springs and solder them in to the test pins. Pull strands with test pins, which are soldered on, upward until the test pins snap in. Test adaptors can be joined to blocks. Can also be inserted when cross-connection is mounted. Packing unit: 10 pcs	for two-step terminals 3430
80247		Test plug ∅ 2.3mm, with contact strips, of gold-plated brass. With strand 0.5mm² soldered in and insulated socket for banana plug ∅ 4mm, protected against accidental contact. With red insulating sleeve. Packing unit: 10 pcs	for terminals 30150, 30400, 30403, 30430, 30431/1, 30431/2, 30810, 30860, 30903, 30973
80248		Test plug ∅ 2.3mm, with contact strips, of gold-plated brass. With strand 0.5mm² soldered in and insulated socket for banana plug ∅ 4mm, protected against accidental contact. With black insulating sleeve. Packing unit: 10 pcs	for terminals 30150, 30400, 30403, 30430, 30431/1, 30431/2, 30810, 30860, 30903, 30973
80258		Test plug ∅ 2.4mm, of silver-plated brass. With strand 0.5mm² soldered in and insulated socket for banana plug ∅ 4mm, protected against accidental contact. With black insulating sleeve. Packing unit: 100 pcs	for terminals 30870P

Marking accessories

Marking strips and marking cards RBE5

Marking strips
of thermoplastic, white, with 10 labels per strip, printed black. Label size 6 x 3 mm.
Available in boxes containing 10 strips with 10 labels each, i.e. 100 labels per box.
Labels should not be broken off from marking strip until inserted into the terminal.

printing \ label size	6 x 3
A	3958/A
B	3958/B
C	3958/C
D	3958/D
E	3958/E
F	3958/F
G	3958/G
H	3958/H
I	3958/I
J	3958/J
K	3958/K
L	3958/L
M	3958/M

printing \ label size	6 x 3
N	3958/N
O	3958/O
P	3958/P
Q	3958/Q
R	3958/R
S	3958/S
T	3958/T
U	3958/U
V	3958/V
W	3958/W
X	3958/X
Y	3958/Y
Z	3958/Z

printing \ label size	6 x 3
1	3958/1
2	3958/2
3	3958/3
4	3958/4
5	3958/5
6	3958/6
7	3958/7
8	3958/8
9	3958/9
0	3958/0
1-0 sequential numbering (10x from 1 to 0)	3958/1-0

printing \ label size	6 x 3
⏚	3958/PE
+	3958/+
-	3958/-
~	3958/AC
=	3958/DC
unprinted	
white	3957
red	3957RO
blue	3957BL

Marking cards type RBE5
For marking 5mm-wide terminals. Made of thermoplastic, white, with 100 labels per card, printed black. Size of the marking card 122 x 22.1 mm.
Label size 5 x 3 mm.
Available in boxes containing 5 cards with 100 labels each, i.e. 500 labels per box.

printing \ label size	5 x 3
A	83010/A
B	83010/B
C	83010/C
D	83010/D
E	83010/E
F	83010/F
G	83010/G
H	83010/H
I	83010/I
J	83010/J
K	83010/K
L	83010/L
M	83010/M

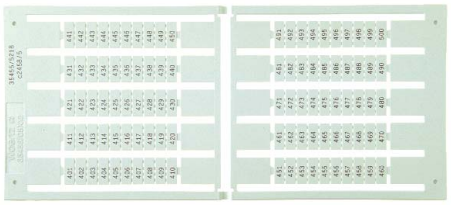
printing \ label size	5 x 3
N	83010/N
O	83010/O
P	83010/P
Q	83010/Q
R	83010/R
S	83010/S
T	83010/T
U	83010/U
V	83010/V
W	83010/W
X	83010/X
Y	83010/Y
Z	83010/Z
A-Z (without O)	83010/A-Z

printing \ label size	5 x 3
1	83010/1
2	83010/2
3	83010/3
4	83010/4
5	83010/5
6	83010/6
7	83010/7
8	83010/8
9	83010/9
0	83010/0
1-0 sequential numbering (10x from 1 to 0)	83010/1-0

printing \ label size	5 x 3
⏚	83010/PE
+	83010/+
-	83010/-
~	83010/AC
=	83010/DC
unprinted white	83010

For marking of 5, 6 or 8mm-wide terminals. Marking cards of polyamide 66, white, with 100 labels per card, printed black (see table below).
Label size: 5 x 5 mm, 5 x 9 mm, 5 x 12 mm, 6 x 9 mm, 6 x 12 mm, 8 x 9 mm or 8 x 12 mm.
Available in boxes containing 5 cards with 100 labels each, i.e. 500 labels per box.

Woertz Service: marking on request (see order form page 1.1.103).
Individual terminal marking with **Winscript** (see page 1.1.104).

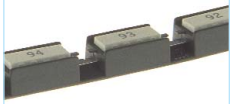


printing \ label size	5 x 5	5 x 9	5 x 12	6 x 9	6 x 12	8 x 9	8 x 12
1-10	35455/5501	35455/5901	35455/5201	35455/6901	35455/6201	35455/8901	35455/8201
11-20	35455/5502	35455/5902	35455/5202	35455/6902	35455/6202	35455/8902	35455/8202
21-30	35455/5503	35455/5903	35455/5203	35455/6903	35455/6203	35455/8903	35455/8203
31-40	35455/5504	35455/5904	35455/5204	35455/6904	35455/6204	35455/8904	35455/8204
41-50	35455/5505	35455/5905	35455/5205	35455/6905	35455/6205	35455/8905	35455/8205
51-60	35455/5506	35455/5906	35455/5206	35455/6906	35455/6206	35455/8906	35455/8206
61-70	35455/5507	35455/5907	35455/5207	35455/6907	35455/6207	35455/8907	35455/8207
71-80	35455/5508	35455/5908	35455/5208	35455/6908	35455/6208	35455/8908	35455/8208
81-90	35455/5509	35455/5909	35455/5209	35455/6909	35455/6209	35455/8909	35455/8209
91-100	35455/5510	35455/5910	35455/5210	35455/6910	35455/6210	35455/8910	35455/8210
1-50	35455/5511	35455/5911	35455/5211	35455/6911	35455/6211	35455/8911	35455/8211
51-100	35455/5512	35455/5912	35455/5212	35455/6912	35455/6212	35455/8912	35455/8212
101-150	35455/5513	35455/5913	35455/5213	35455/6913	35455/6213	35455/8913	35455/8213
151-200	35455/5514	35455/5914	35455/5214	35455/6914	35455/6214	35455/8914	35455/8214
201-300	35455/5515	35455/5915	35455/5215	35455/6915	35455/6215	35455/8915	35455/8215
301-400	35455/5516	35455/5916	35455/5216	35455/6916	35455/6216	35455/8916	35455/8216
401-500	35455/5517	35455/5917	35455/5217	35455/6917	35455/6217	35455/8917	35455/8217
1-500	35455/5518	35455/5918	35455/5218	35455/6918	35455/6218	35455/8918	35455/8218
L1	35455/5530	35455/5930	35455/5230	35455/6930	35455/6230	35455/8930	35455/8230
L2	35455/5531	35455/5931	35455/5231	35455/6931	35455/6231	35455/8931	35455/8231
L3	35455/5532	35455/5932	35455/5232	35455/6932	35455/6232	35455/8932	35455/8232
L1L2L3 (on 1 label)	35455/5533	35455/5933	35455/5233	35455/6933	35455/6233	35455/8933	35455/8233
L1 L2 L3 (32 times)	35455/5534	35455/5934	35455/5234	35455/6934	35455/6234	35455/8934	35455/8234
N	35455/5535	35455/5935	35455/5235	35455/6935	35455/6235	35455/8935	35455/8235
⏚	35455/5536	35455/5936	35455/5236	35455/6936	35455/6236	35455/8936	35455/8236
+	35455/5537	35455/5937	35455/5237	35455/6937	35455/6237	35455/8937	35455/8237
-	35455/5538	35455/5938	35455/5238	35455/6938	35455/6238	35455/8938	35455/8238
A-Z (without O)	35455/5540	35455/5940	35455/5240	35455/6940	35455/6240	35455/8940	35455/8240
unprinted	35455/05X05	35455/05X09	35455/05X12	35455/06X09	35455/06X12	35455/08X09	35455/08X12

Marking accessories

Label holders and cases for marking accessories

Holder for marking cables

Article number	Illustration	Technical data
3954		of polyamide 6, flexible, black for cables 3x1.5mm² and more consisting of 5 holders molded together for 4 labels each, 3x6mm 3957/..., 3958/... fastening with cable straps Divisible by means of any cutting tool Cable straps have to be ordered separately. Packing unit: 50 pcs

Label carriers

Article number	Illustration	Technical data	
3955/4		Label carriers for larger markings of polyamide 66, grey for clipping on 6mm-wide terminals with 3-figure marking only for 4 labels 3x6mm 3957/..., 3958/.. Packing unit: 100 pcs	for terminals 30902, 30904, 3430, 30430, 30431, 30432, 30890, 30891
3955/6		Label carriers for larger markings of polyamide 66, grey for clipping on 6mm-wide terminals with 3-figure marking only for 6 labels 3x6mm 3957/..., 3958/.. Packing unit: 100 pcs	

Case for marking accessories with inserts for marking strips or marking cards

Article number	Illustration	Technical data
80155		**Case for marking accessories** of plastic, blue, resistant to shocks, stackable For receiving 2 transparent inserts for marking strips or marking cards External dimensions 400x300x80mm empty, without inserts
80156		**Insert for marking strips** External dimensions 360x260x30mm - with 12 parts for marking strips type 3957/..., 3958/..
80158		**Insert for marking cards** External dimensions 360x260x30mm - with 3 parts for marking cards - with 3 parts for marking strips type 3957/..., 3958/..

Please fill out the form with block letters and order by fax.
Make sure you have ticked the label type you want.

Fax Switzerland: +41 (0)61 461 96 06
Fax USA: (800) 522-3868

Adresse

Billing address:
(if different from shipping address)

Company: .....
Address: .....
ZIP code/city: .....
Tel.: .....
Fax: .....
Contact person: .....

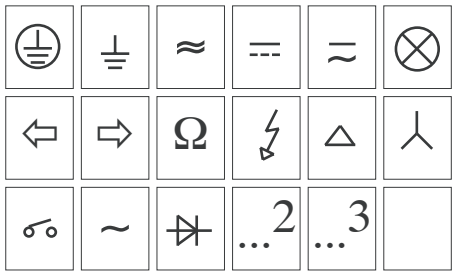
Shipping address:
Customer number:. .....
Company: .....
Address: .....
ZIP code/city: .....
Tel.: .....
Fax: .....
Contact person: .....

Order

We order ..... card(s) of the selected type with printing according to drawing below.

	label type	article number	label size	printing max.
☐	RB/5x5	35455/05S05	5 x 5 mm	3-figure vertically / 3-figure horizontally
☐	RB/5x9	35455/05S09	5 x 9 mm	6-figure vertically / 3-figure horizontally
☐	RB/5x12	35455/05S12	5 x 12 mm	9-figure vertically / 3-figure horizontally
☐	RB/6x9	35455/06S09	6 x 9 mm	6-figure vertically / 4-figure horizontally
☐	RB/6x12	35455/06S12	6 x 12 mm	9-figure vertically / 4-figure horizontally
☐	RB/8x9	35455/08S09	8 x 9 mm	6-figure vertically / 6-figure horizontally
☐	RB/8x12	35455/08S12	8 x 12 mm	9-figure vertically / 6-figure horizontally

Available special characters
Special characters count as 2 figures!



Printing

5										
4										
3										
2										
1										

6										
7										
8										
9										
10										

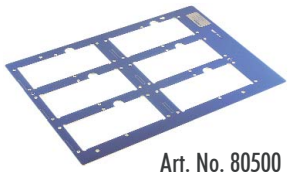
Printing example

1	L1	L2	L3	150	250	350			Ω	A-10

Marking accessories

Winscript System - Individual terminal marking system

Art. No. 80323



Art. No. 80500

Available symbols:

Winscript System

Article number	Designation / Technical data	Article number	Designation / Technical data
80515	**Software** including user manual 5 languages D, F, I, E, S	80500	**Base plates** Woertz including 2x6 spacers to receive 6 Woertz marker cards
80323	**Plotter** including user manual and communication cable PC-Plotter	80500BS	**Base plates Woertz** to receive Woertz marking strips series 35455/..BS

Art. No. 80501

Art. No. 80506

Art. No. 80510

Art. No. 80507

Art. No. 80502

Art. No. 80514

Art. No. 80519

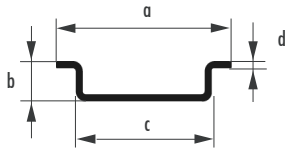
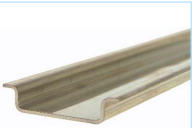
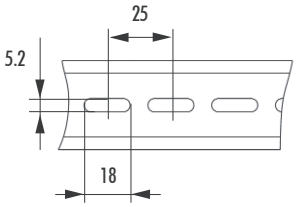
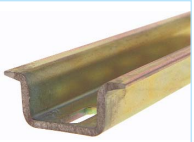
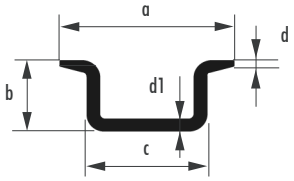
Accessories

80514	**Plotter pen** with pen point	80510	**Disposable ink pens HPC** (4 pieces) for paper labels
80507	**Ink**	80501	**Spacers** to Woertz base plates for marker cards type 5x9/6x9/6x12/8x9/8x12 mm
80519	**Cleaning solution** to ink	80502	**Spacers** to Woertz base plates for marker cards type 5x5 mm
80518	**Cleaning set**	80506	**Base plate** for marking paper labels etc. of powder-coated steel including magnetic pins and strips for holding the paper sheet

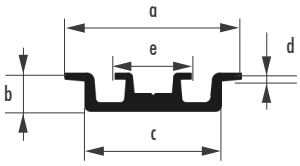
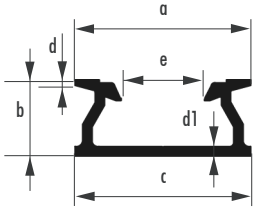
Accessories for marking competitor labels

80505AD	**Adels base plate** to receive Adels marker cards	80505TE	**Télémécanique base plate** to receive Télémécanique marker cards
80505ENT	**Entrelec base plate** to receive Entrelec marker cards RC55/RC65/RC510/RC610/RC810	80505WA	**Wago base plate** to receive Wago marker cards, including 1 interchangeable locating device for WSB 5-8mm and one for WSB 4mm
80505PHX	**Phoenix base plate** to receive Phoenix marker cards, including. 2 magazine inserts for 14 Zack marker strips CMS-U/ZB	80505WDM	**Weidmüller base plate** to receive Weidmüller marking cards
80505SES	**SES base plate** to receive SES marker cards, labels type 14-1177 (cable marking)	80505WI	**Wieland base plates** to receive Wieland marker cards 5x8.3/5x14/6x8.3/6x14/8x8.3

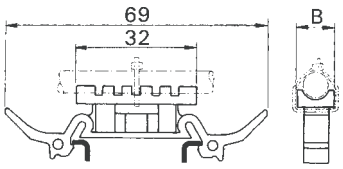
Mounting rails according to EN 60715TH35

Article number	Illustration	Dimension illustration	Technical data
3401			Galvanized steel a=35mm, b=7.3mm, c=27mm, d=1mm Corresponds to the thermal resistance to short-circuits of a Cu conductor of 16mm² Made in lengths of 2m, weight 325 g/m
3401/L			Galvanized boored steel, 18 x 5.2 mm a=35mm, b=7.3mm, c=27mm, d=1mm Corresponds to the thermal resistance to short-circuits of a Cu conductor of 16mm² Made in lengths of 2m, weight 310 g/m
3401IN			Stainless steel A2 a=35mm, b=7.3mm, c=27mm, d=1mm Corresponds to the thermal resistance to short-circuits of a Cu conductor of 16mm² Made in lengths of 2m, weight 365 g/m
3490			Galvanized steel a=35mm, b=15mm, c=24mm, d=1mm, d1=2.5mm Corresponds to the thermal resistance to short-circuits of a Cu conductor of 50mm² Made in lengths of 2m, weight 925 g/m
3490/L			Galvanized boored steel, 18 x 5.2 mm a=35mm, b=15mm, c=24mm, d=1mm, d1=2.5mm Corresponds to the thermal resistance to short-circuits of a Cu conductor of 50mm² Made in lengths of 2m, weight 890 g/m
80290			copper a=35mm, b=15mm, c=24mm, d=1mm, d1=2.3mm Corresponds to the thermal resistance to short-circuits of a Cu conductor of 150mm² Made in lengths of 2m, weight 765 g/m

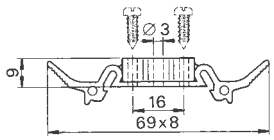
Combined rails

3400A			external profile flanks according to EN 60715TH35, internal profile flanks according to EN 60715TH15 aluminum alloy, Extrudal-050 a=35mm, b=7.3mm, c=27mm, d=1mm, e=15mm Corresponds to the thermal resistance to short-circuits of a Cu conductor of 35mm² Made in lengths of 2m, weight 260 g/m
80291/2M 80291/3M 80291/6M			external profile flanks according to EN 60715TH35, internal profile for receiving Woertz anchoring studs series 4420 and Woertz cable fixing brackets series 4350. aluminum alloy, Extrudal-050 a=35mm, b=15mm, c=35mm, d=1mm, d1=1.8mm, e=16.7mm Corresponds to the thermal resistance to short-circuits of a Cu conductor of 85mm² **80291/2M** Made in lengths of 2m, weight 379 g/m **80291/3M** Made in lengths of 3m, weight 379 g/m **80291/6M** Made in lengths of 6m, weight 379 g/m

Cable-fasteners for clipping

Article number	Illustration	Dimension illustration	Technical data
80063			for clipping on to rails according to EN 60715TH35 of polyamide 66, grey For use in switchboards. Delivered without cable straps. Any cable straps may be used with these fasteners. **80063** for cables ∅ 6-9mm B=10mm Packing unit: 100 pcs **80065** for cables ∅ 12-16mm B=18mm Packing unit: 25 pcs **80064** for cables ∅ 9-12mm B=14mm Packing unit: 100 pcs **80066** for cables ∅ 16-20mm B=22mm Packing unit: 25 pcs
80064			
80065			
80066			

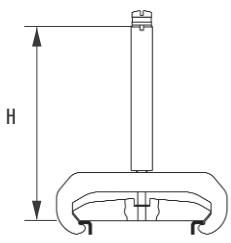
Clamps for clipping

9072			for clipping on to mounting rails according to EN 60715TH35, of polyamide 66, grey may be used for mounting devices, with 3 borings for cylinder head self-tapping screw ∅ 3.5mm Packing unit: 100 pcs
49907			for clipping on to mounting rails according to EN 60715TH35, of polyamide 66, grey may be used for mounting devices extending beyond the clamp, with 3 borings for cylinder head self-tapping screw ∅ 3.5mm. Packing unit: 100 pcs

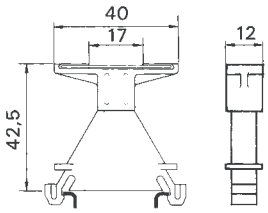
Supporting studs for covers

80059/31	H mm 31	Base part of brass, stud of steel for mounting rails according to EN 60715TH35 with bolt thread and sealing screw M3 Clamping couple for electric screw-driver 0.8 Nm. Width = 6mm Packing unit: 50 pcs
80059/38	H mm 38	
80059/45	H mm 45	
80059/55	H mm 55	
80059/65	H mm 65	
80059/75	H mm 75	

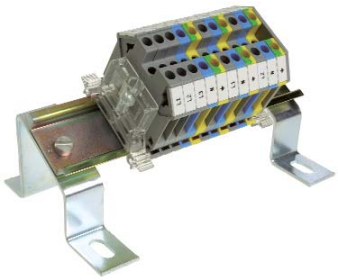
To terminal covers Art. No. 80079/10, 80079/35, 80079/120 see page 1.1.92



Label carrier for group marking

Article number	Illustration	Dimension illustration	Technical data
3459			of polyamide 66, grey, halogen-free to mounting rails according to EN 60715TH35 with label 10x37mm of PVC, white Under the label 10x37mm the label carrier for group marking has a boring for screwing on any other marking label or marking strip with a cylinder head self-tapping screw ∅ 2.9x9.5mm Packing unit: 100 pcs

Angled support bracket

Article number	Illustration	Dimension illustration	Technical data
80360/30			of sheet steel 2 mm, galvanized Length 89mm, width 20 mm, height 48mm angle of 30° with screw thread M6 for an accessible arrangement of terminals Packing unit: 10 pcs

Terminal overview

Terminals for mounting rails 15mm according to EN 60715 TH 15

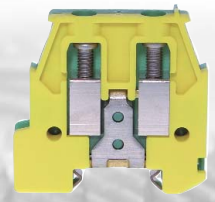
Terminal types

Basic terminals
4 mm²
series 30902

page 1.1.110

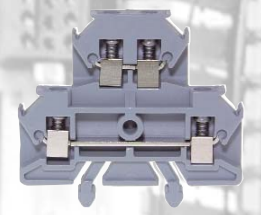
Bare earthing terminals
2.5 mm²
series 2721

page 1.1.111



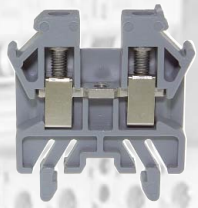
Partially enclosed
earthing terminals 4 mm²
series 30902

page 1.1.112



Two-step terminals
1 mm²
series 2711

page 1.1.113



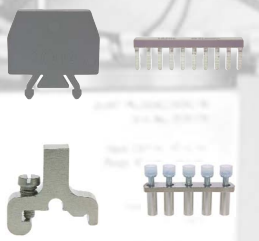
Small screw terminal
2.5 mm²
series 2760

page 1.1.114

Wire-wrap terminal
1.5 mm²
series 2759

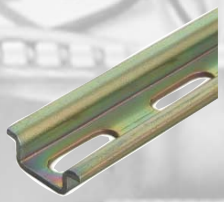
page 1.1.115

Accessories



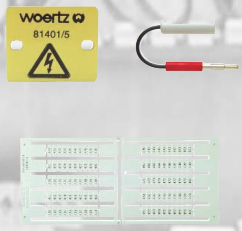
End barriers, partitions,
cross-connections, etc.

pages 1.1.118 - 1.1.121



Mounting rails

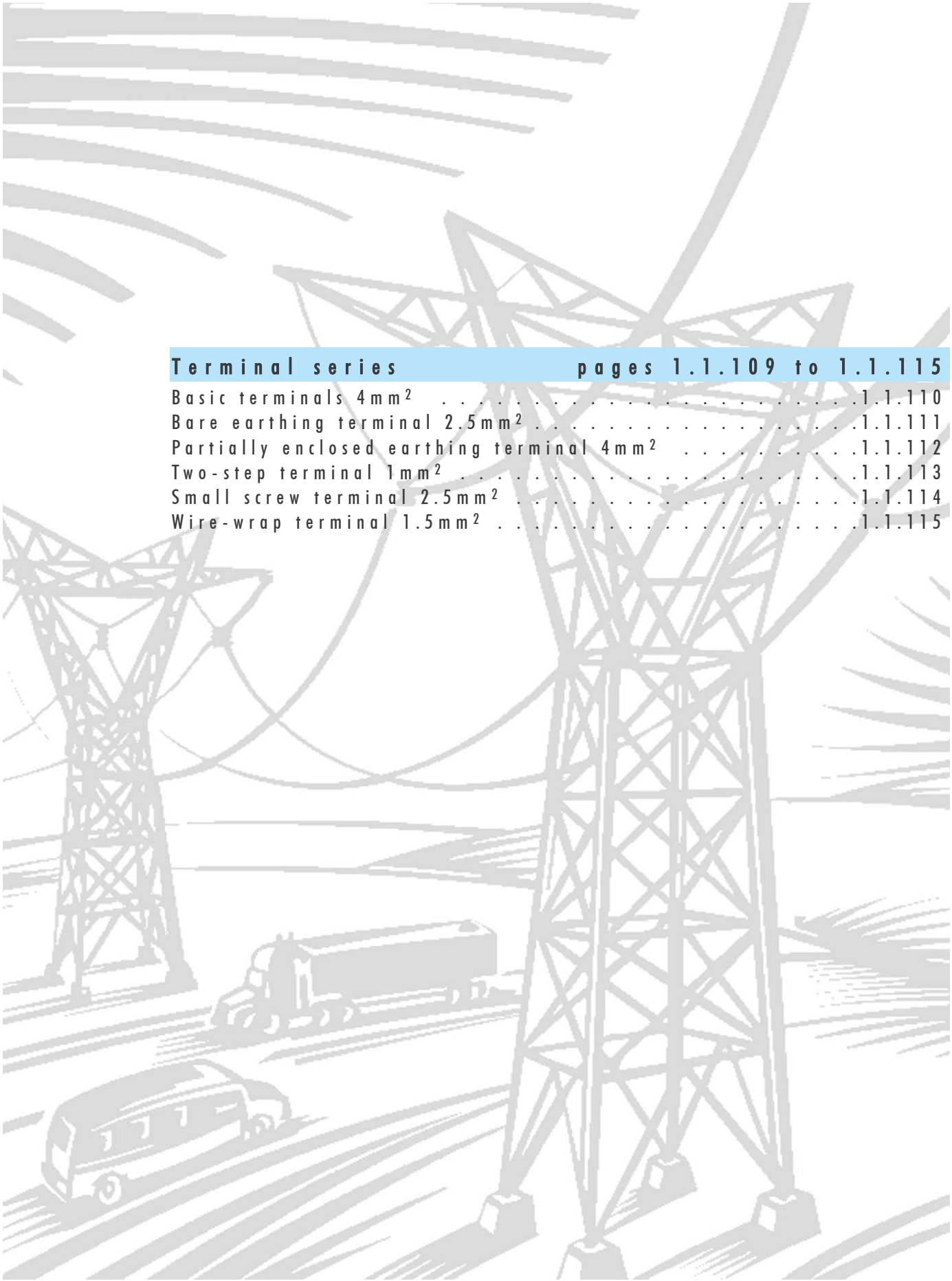
page 1.1.121



Terminal covers, test plugs,
marking accessories

pages 1.1.122 - 1.1.123

Index



Terminal series **pages 1.1.109 to 1.1.115**

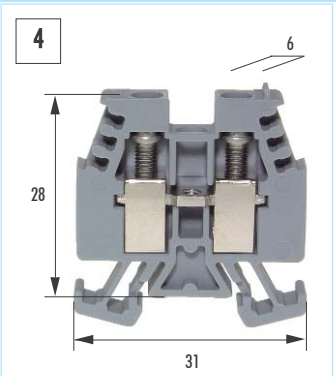
Basic terminals 4mm² 1.1.110
Bare earthing terminal 2.5mm² 1.1.111
Partially enclosed earthing terminal 4mm² 1.1.112
Two-step terminal 1mm² 1.1.113
Small screw terminal 2.5mm² 1.1.114
Wire-wrap terminal 1.5mm² 1.1.115

Basic terminals

4 mm²

PA 66

- Clamping units and connecting bar of nickel-plated brass
- Screws of stainless steel
- for insulated, recessed and separable cross-connections
- 3-figure marking on both sides
- Ex terminals also available (see Ex flyer)



Article numbers

Ratings	0.2-4 mm² 500V/32A	24-12AWG 300V/20A			
grey	**30902GR**				
blue	**30902BL**				
green and yellow (insulated earthing conductor)	**30902E**				

Technical data

Connecting capacity	mm	3.2 x 5			
Clamping screws		M3			
Central thread		M3			
Strip insulation	mm	10			
Packing unit	pcs	100			

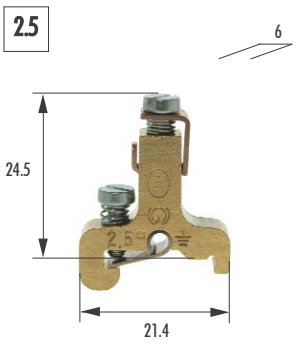
Accessories see pages 1.1.117 to 1.1.123

Test adaptors		**80070** **2737**			
Marking accessories		**3957/.** **3958/.** **RB/6x9**	6 labels 6 labels 2 labels		
End barriers		**30912**			
Partitions		**30922**			
Stoppers		**2765**			
Stoppers		**2754**			
Insulated cross-connections for 2, 3, 4, 5 or 10 terminals		**81526/2** **81526/3** **81526/4** **81526/5** **81526/10**			
Connecting pins		**81526**			
Links		**30441**			
Cross-junction racks		**30791**			
Terminal covers for 4, 5, 6, 7 or 8 terminals		**3894/4** **3894/5** **3894/6** **3894/7** **3894/8**			
Fastening screws		**01062**			
Sealing eyelets		**81440**			
Sealing screws		**3512**			

Bare earthing terminal

2.5 mm²

- of pickled brass
- Screws and springs of stainless steel
- The connection between mounting rail and terminal as well as the connected conductors are protected against working loose



Article numbers

Ratings	2.5 mm²
	2721

Technical data

Connecting capacity ∅	mm	2.7
Clamping screws		M3
Strip insulation	mm	8
Packing unit		100

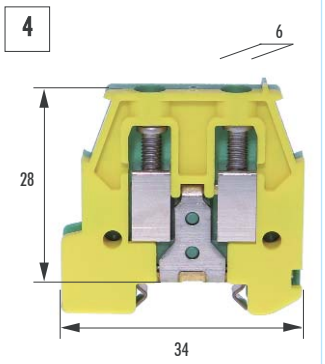
Accessories see pages 1.1.117 to 1.1.123

Partially enclosed earthing terminal

4 mm²

PA 66

- Clamping units of nickel-plated brass
- Screws, springs and earthing base of stainless steel
- 3-figure marking on both sides
- Ex terminals also available (see Ex flyer)



Article numbers

Ratings		4 mm²	22-12AWG				
for terminals for polar conductor		30902					
green and yellow		**30902/4V**					

Technical data

Connecting capacity	mm	3.2 x 3.9					
Clamping screws		M3					
Strip insulation	mm	10					
Clamping couple for electric screw-driver	Nm	0.6					
Packing unit	pcs	50					

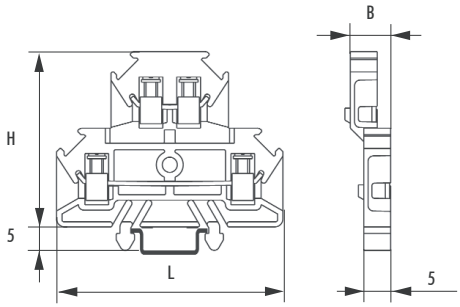
Accessories see pages 1.1.117 to 1.1.123

Marking accessories		**3957/.**	6 labels				
		3958/.	6 labels				
		RB/6x9	2 labels				

PA 66

- Clamping units and connecting bars of nickel-plated brass
- Screws of stainless steel
- Lower and and upper level vertically shifted, so that the lower clamping screws remain accessible when conductors are connected.
- marking facilities on both sides
- Ex terminals also available (see Ex flyer)

1



Article numbers

Ratings		0.5-1 mm² 400V/13.5A	22-16AWG 300V/15A			
grey		2711GR				
blue		2711BL				

Technical data

W	mm	7.5				
L	mm	42				
H	mm	32.5				
Connecting capacity	mm	2 x 2.4				
Clamping screws		M2.5				
Strip insulation	mm	9				
Packing unit	pcs	100				

Accessories see pages 1.1.117 to 1.1.123

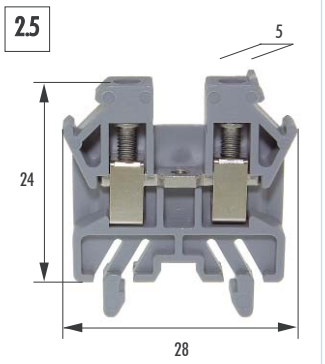
Marking accessories		RB/5x5				
End barriers		2712GR				
Partitions		2713GR				
Stoppers		2754A				
Cross-junction racks		2715				

Small screw terminal

2.5 mm²

PA 66

- Clamping units and connecting bar of nickel-plated brass
- Screws of stainless steel
- for insulated, recessed and separable cross-connections
- Marking facilities on both sides
- Ex terminals also available (see Ex flyer)



Article numbers

Ratings		0.5-2.5 mm² 400V/24A	22-14AWG 300V/15A		
grey		**2760**			

Technical data

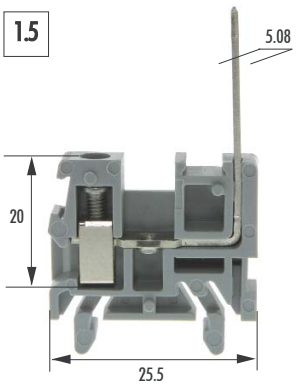
Connecting capacity	mm	2.5 x 3.5			
Clamping screws		M2.5			
Central thread		M2.5			
Strip insulation	mm	6			
Packing unit	pcs	100			

Accessories see pages 1.1.117 to 1.1.123

Test adaptors		**80247** **80248**			
Marking accessories		**RB/5x5**			
End barriers		**2764**			
Partitions		**2763**			
Stoppers		**2765**			
Stoppers		**2754**			
Insulated cross-connections for 2, 3 or 10 terminals		**81515/2** **81515/3** **81515/10**			
Connecting pins		**81515**			
Cross-junction racks		**30793**			
Bare earthing terminal		**2721**			

PA 66

- With a screw terminal 1.5 mm² and a wire-wrap pin 1x1 mm of nickel-plated brass
- Screw of stainless steel
- for insulated, recessed and separable cross-connections
- Marking facilities on top and on sides



Article numbers

Ratings	1.5 mm² 250V/17.5A	22-14AWG 300V/10A
grey	2759	

Technical data

Connecting capacity	mm	2.5 x 3.5
Clamping screw		M2.5
Central thread		M2.5
Strip insulation	mm	6
Length of the wrap pin	mm	18.5
Packing unit	pcs	100

Accessories see pages 1.1.117 to 1.1.123

Test adaptors	80247 80248
Marking accessories	RB/5x5
End barriers	2762
Stoppers	2765
Stoppers	2754
Insulated cross-connections for 2, 3 or 10 terminals	81515/2 81515/3 81515/10
Connecting pins	81515
Junction rack	2715

Notes

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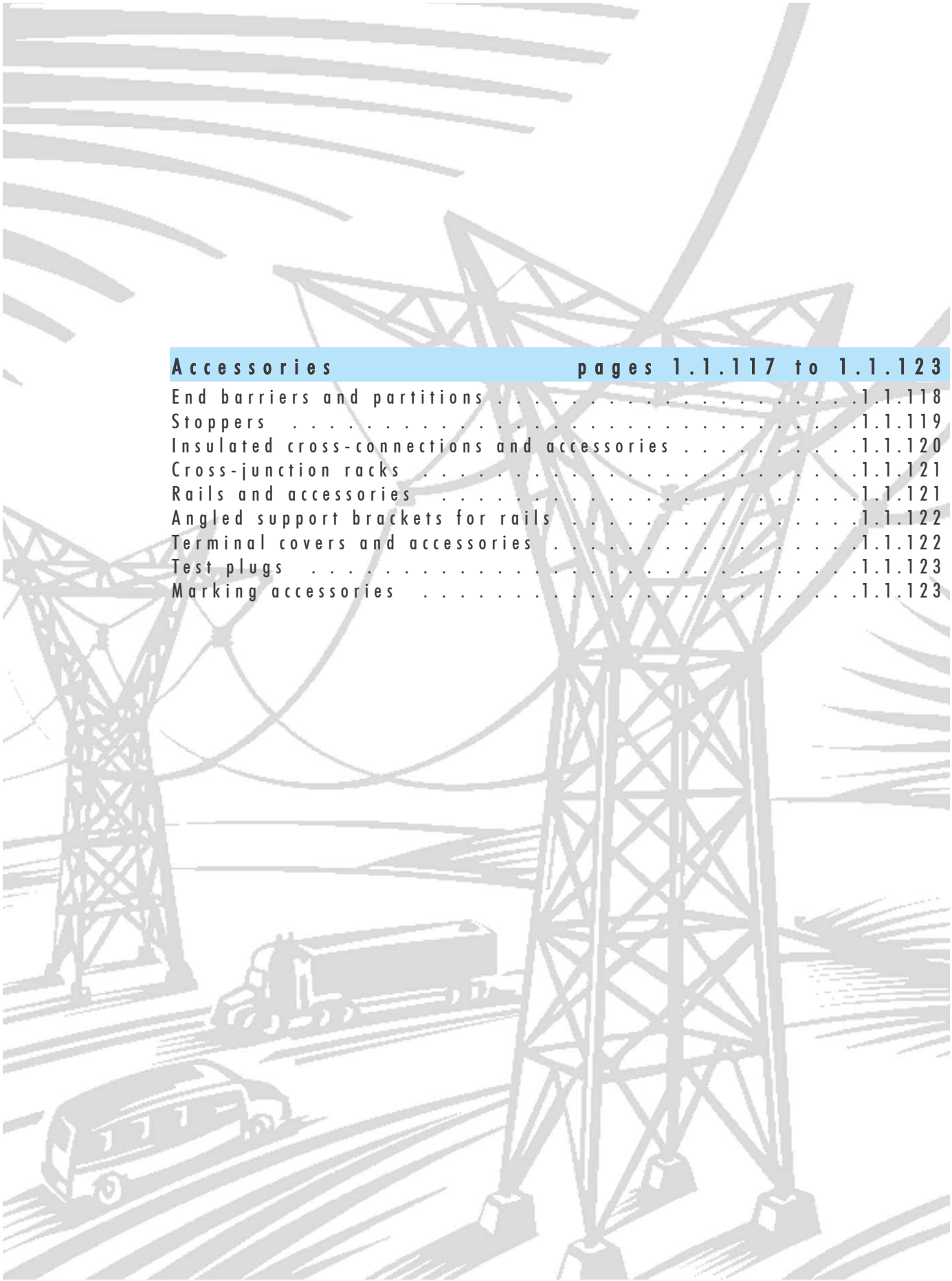
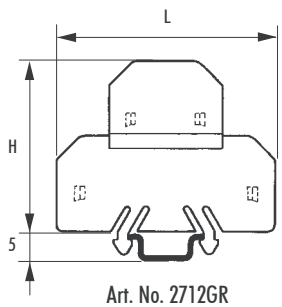


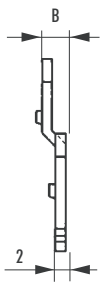
Accessories **pages 1.1.117 to 1.1.123**

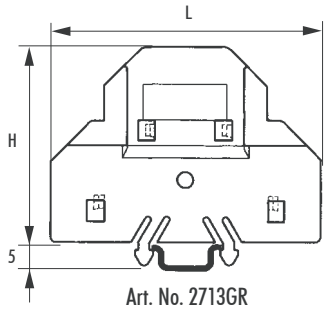
End barriers and partitions 1.1.118
Stoppers 1.1.119
Insulated cross-connections and accessories 1.1.120
Cross-junction racks 1.1.121
Rails and accessories 1.1.121
Angled support brackets for rails 1.1.122
Terminal covers and accessories 1.1.122
Test plugs 1.1.123
Marking accessories 1.1.123

End barriers and partitions

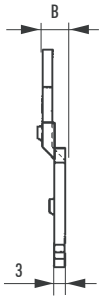


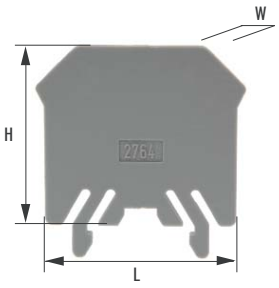
Art. No. 2712GR





Art. No. 2713GR



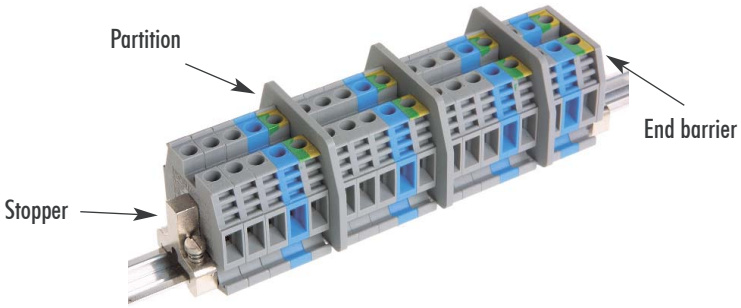


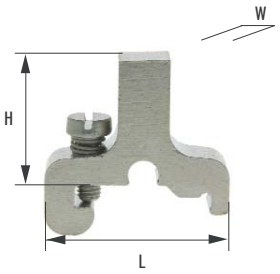
End barriers

Article number	Illustration	Technical data	for terminals
2712GR		of polyamide 66, grey W=4.5mm, L=42mm, H=32.5mm, W1=2mm Packing unit: 100 pcs	Two-step terminal 1mm² series 2711
2762		of polyamide 66, grey W=1.42mm, L=25.5mm, H=20mm Packing unit: 100 pcs	Wire-wrap terminal 1.5mm² Art. No. 2759
2764		of polyamide 66, grey W=1.5mm, L=28mm, H=24mm Packing unit: 100 pcs	Small screw terminal 2.5mm² Art. No. 2760
30912		of polyamide 66, grey W=2mm, L=31mm, H=28mm Packing unit: 100 pcs	Basic terminals 4mm² series 30902

Partitions

2713GR		of polyamide 66, grey W=5.5mm, L=52mm, H=37.5mm, B1=3mm Packing unit: 100 pcs	Two-step terminal 1mm² series 2711
2763		of polyamide 66, grey W=1.5mm, L=36mm, H=29mm Packing unit: 100 pcs	Small screw terminal 2.5mm² Art. No. 2760
30922		of polyamide 66, grey W=2mm, L=41mm, H=33mm Packing unit: 100 pcs	Basic terminals 4mm² series 30902

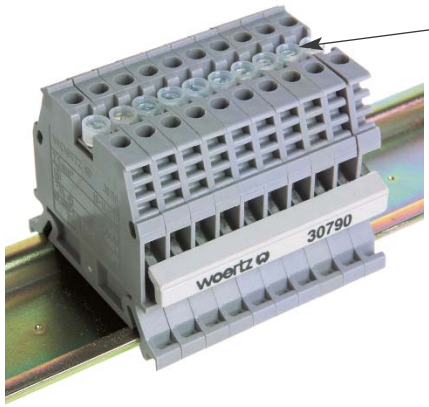




Stoppers

Article number	Illustration	Technical data	for terminals
2754		of nickel-plated brass with screw M3 W=6mm, L=21.4mm, H=17.5mm Packing unit: 100 pcs	Basic terminals 4mm² series 30902 Small screw terminal 2.5mm² Art. No. 2760 Wire-wrap terminal 1.5mm² Art. No. 2759
2754A		of nickel-plated brass with screw M3 W=6mm, L=21.4mm, H=15.5mm Packing unit: 100 pcs	Two-step terminal 1mm² series 2711
2765		of macrolon with cylinder head self-tapping screw ∅ 2.9 x 9.5mm W=7.5mm, L=20mm, H=20mm Packing unit: 100 pcs	Basic terminals 4mm² series 30902 Small screw terminal 2.5mm² Art. No. 2760 Wire-wrap terminal 1.5mm² Art. No. 2759

Insulated cross-connections and accessories



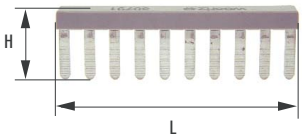
insulated cross-connections

To be screwed in connecting bars. Cross-connections are used to jumper adjacent terminals. They are of nickel-plated brass. Complete cross-connections are available with connecting pins, screws, washers and spacer sleeves. They are protected against accidental contact with insulated screw heads. Standard separable versions: 2-, 3-, 4-, 5- and 10-part.

Insulated cross-connections

Article number	Description Illustration	Technical data	for terminals
81515/2 81515/3 81515/10	**Cross-connections** 2-part 3-part 10-part	6mm wide 1mm thick Hole ∅ =3mm 10-part: L=50mm Packing unit: 10 pcs	Small screw terminal 2.5mm² Art. No. 2760 Wire-wrap terminal 1.5mm² Art. No. 2759
81515	**Separate connecting pin**	of nickel-plated brass with screw with insulated head, washer and spacer sleeve Spacer sleeve: length=5.5mm, outside ∅ =4mm Screw M2.5x9.5 Packing unit: 100 pcs	
81526/2 81526/3 81526/4 81526/5 81526/10	**Cross-connections** 2-part 3-part 4-part 5-part 10-part	6mm wide 1mm thick Hole ∅ =3.5mm 10-part: L=60mm Packing unit: 10 pcs	Basic terminal 4mm² Art. No. 30902
81526	**Separate connecting pin**	of nickel-plated brass with screw with insulated head, washer and spacer sleeve Spacer sleeve: length=10.5mm, outside ∅ =4mm Screw M3x17 Packing unit: 100 pcs	
30441	**Links** 	of nickel-plated brass for connecting two adjacent cross-connection links without pin Packing unit: 100 pcs	

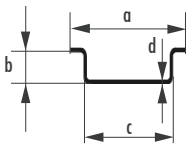
Cross-junction racks, to be inserted into terminal opening from front side



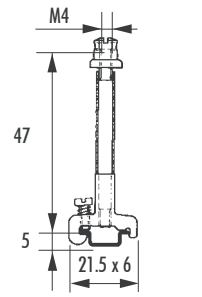
Cross-junction racks

Article number	Illustration	Technical data	for terminals
2715		of nickel-plated brass 12-part, can be cut to any desired length bent at 40°	Two-step terminal 1mm² series 2711 Wire-wrap terminal 1.5mm² Art. No. 2759
30791		of nickel-plated brass, 10-part with insulation of polyester, can be cut to any desired length with cutting tool L=58mm, H=16.5mm Packing unit: 100 pcs	Basic terminals 4mm² series 30902
30793		of nickel-plated brass, 10-part with insulating tape of polyamide 66, can be cut to any desired length with cutting tool L=49mm, H=13mm Packing unit: 100 pcs	Small screw terminal 2.5mm² Art. No. 2760

Mounting rails according to EN 60715TH15

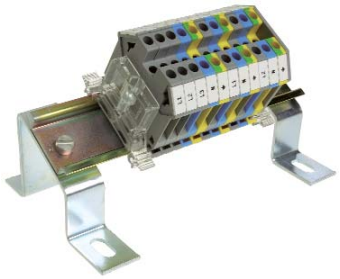
2750			zinc-plated steel with fastening slots a = 15mm, b = 5.5 mm, c = 10.5 mm, d=1mm Corresponds to the thermal resistance to short-circuits of a Cu conductor of 6mm² Made in lengths of 2m, weight 125 g/m
2750A			Aluminum alloy a = 15mm, b = 5.5 mm, c = 10.5 mm, d=1.5mm Corresponds to the thermal resistance to short-circuits of a Cu conductor of 16mm² Made in lengths of 2m, weight 70 g/m

Supporting studs for mounting rails according to EN 60715TH15

2756		Insulated supporting studs of nickel-plated brass with sealable nut for terminal covers H=47mm Packing unit: 50 pcs

Angled support bracket and terminal covers

Angled support bracket

80360/30			of sheet steel 2 mm, galvanized Length 89mm, width 20 mm, height 48mm angle of 30° with screw thread M6 for an accessible arrangement of terminals Packing unit: 10 pcs

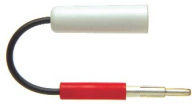
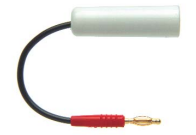
Terminal covers and accessories

Some applications and codes require the connection terminals to be covered to prevent any accidental contact. Covers of yellow plastic with a warning arrow in black are available in different dimensions.

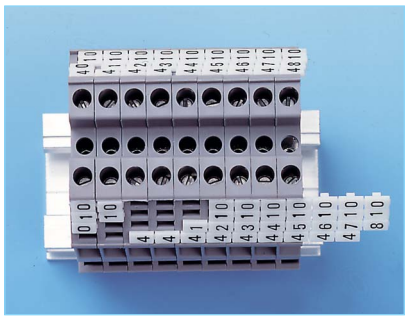
These covers are fixed on the central threads of the terminals with two fastening screws of polyamide 66. Covers available for 4, 5, 6, 7 or 8 terminals.
Sealing eyelets can be used to avoid any damage to the terminal covers.

Article number	Illustration	Technical data	for terminals
3894/4 3894/5 3894/6 3894/7 3894/8	**Terminal covers** for 4 terminals for 5 terminals for 6 terminals for 7 terminals for 8 terminals	of plastic, yellow with black marking with 2 fastening screws of polyamide 66 Packing unit: 10 pcs 1mm thick, 24 mm high 3894/4: A=18mm, B=26mm 3894/5: A=24mm, B=32mm 3894/6: A=30mm, B=38mm 3894/7: A=36mm, B=44mm 3894/8: A=42mm, B=50mm	Basic terminals 4mm² series 30902
01062	**Fastening screws**	M3x20 of polyamide 66	
3512	**Sealing screws**	M3x25 of polyamide 66 Packing unit: 50 pcs	
81440	**Sealing eyelets** 	For bending over the heads of the fastening screws. Hole ∅ =3.2mm for fastening screws M2.5 and M3 Packing unit: 100 pcs	

Test plugs

Article number	Illustration	Technical data	for terminals
2737R		Test plug ∅ 2.8mm of silver-plated brass. With strand 0.75mm² soldered in and insulated socket for banana plug ∅ 4mm, protected against accidental contact. With red insulating sleeve. Packing unit: 10 pcs	Basic terminals 4mm² series 30902
2737S		Test plug ∅ 2.8mm of silver-plated brass. With strand 0.75mm² soldered in and insulated socket for banana plug ∅ 4mm, protected against accidental contact. With black insulating sleeve. Packing unit: 10 pcs	Basic terminals 4mm² series 30902
80070R		Test adaptor (plug+adaptor in one piece), of gold-plated brass, outside ∅ 6mm. For plugging into central thread M3. With socket for banana plug ∅ 4mm, protected against accidental contact. With red insulating sleeve. Packing unit: 10 pcs	Basic terminals 4mm² series 30902
80070S		Test adaptor (plug+adaptor in one piece), of gold-plated brass, outside ∅ 6mm. For plugging into central thread M3. With socket for banana plug ∅ 4mm, protected against accidental contact. With black insulating sleeve. Packing unit: 10 pcs	Basic terminals 4mm² series 30902
80247		Test plug ∅ 2.3mm, with contact strips, of gold-plated brass. With strand 0.5mm² soldered in and insulated socket for banana plug ∅ 4mm, protected against accidental contact. With red insulating sleeve. Packing unit: 10 pcs	Small screw terminal 2.5mm² Art. No. 2760 Wire-wrap terminal 1.5mm² Art. No. 2759
80248		Test plug ∅ 2.3mm, with contact strips, of gold-plated brass. With strand 0.5mm² soldered in and insulated socket for banana plug ∅ 4mm, protected against accidental contact. With black insulating sleeve. Packing unit: 10 pcs	Small screw terminal 2.5mm² Art. No. 2760 Wire-wrap terminal 1.5mm² Art. No. 2759

Marking accessories

		Marking cards type RB/5x5 Marking cards type RB/6x9 Marking strips 3957/. and 3958/. Information on label sizes and printings see Marking accessories for terminals for mounting rails 35mm, pages 1.1.100 and 1.1.101.	

Terminal overview

Terminals for Woertz mounting rail and for independent mounting

Terminal types

Branching terminals of steatite
2.5-120 mm²
series 4020

pages 1.1.126 - 1.1.128

Bare earthing terminals
6-35 mm²
series 4310

pages 1.1.129+1.1.130

Branching terminals
with steatite base
120-500 mm²
series 2809

pages 1.1.131+1.1.132

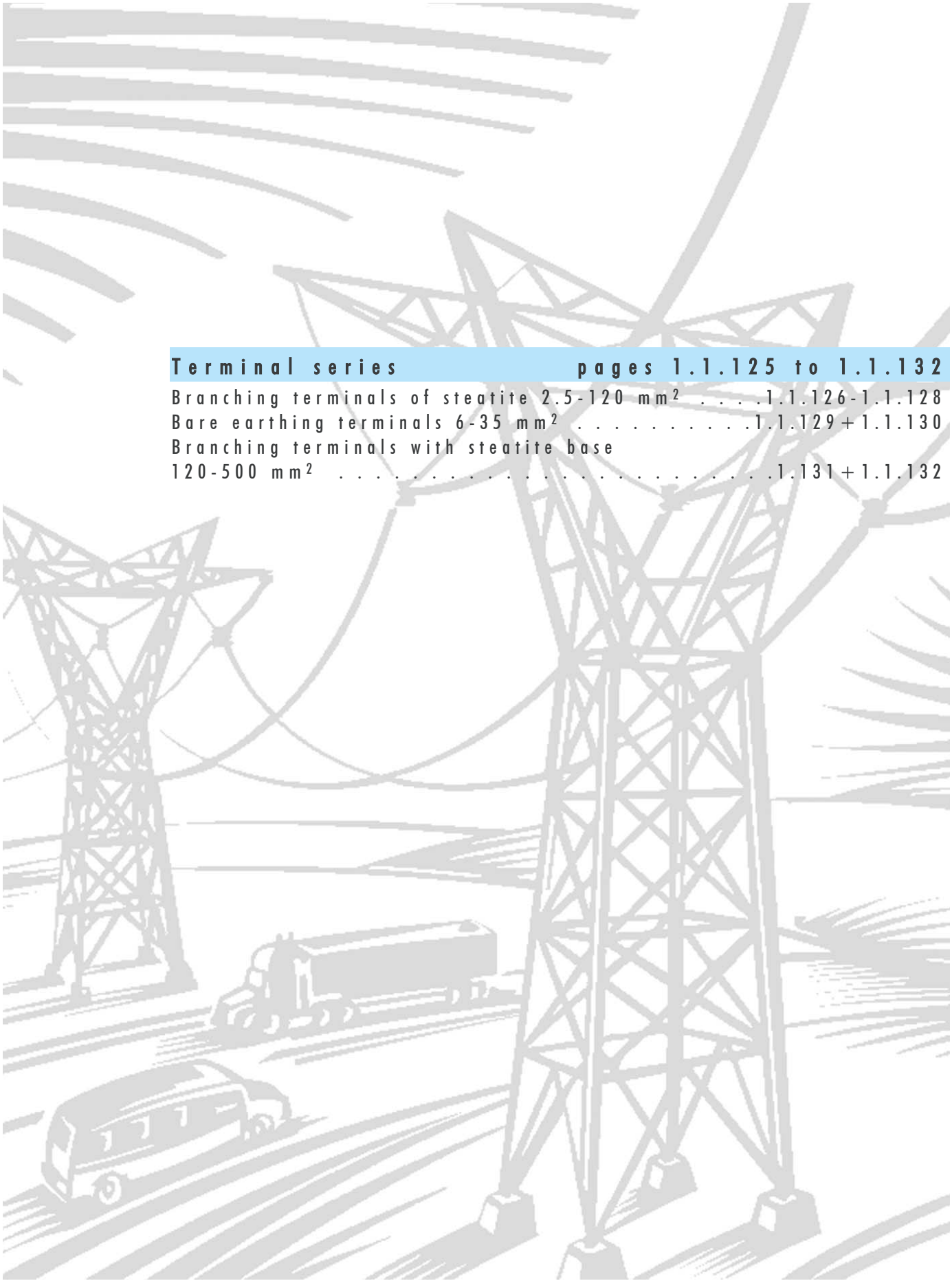
Accessories

Mounting rails

page 1.1.134

woertz

Index



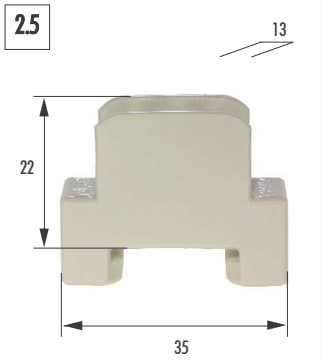
Terminal series **pages 1.1.125 to 1.1.132**

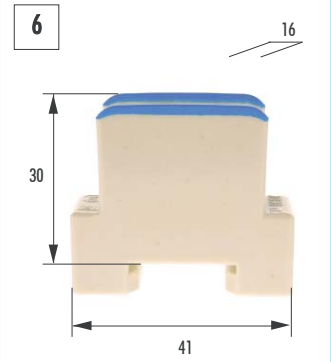
Branching terminals of steatite 2.5-120 mm² 1.1.126-1.1.128
Bare earthing terminals 6-35 mm² . . . . . .1.1.129+1.1.130
Branching terminals with steatite base
120-500 mm² . . . . . .1.131+1.1.132

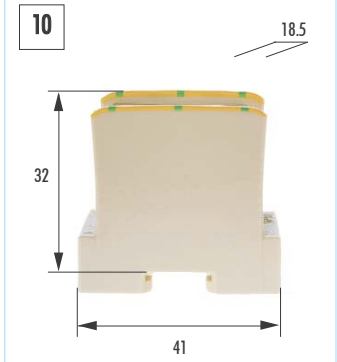
Branching terminals with insulating body of glazed steatite

2.5-10 mm²

- Terminals and set screws of nickel-plated brass
- for temperature range up to 250°C (upper limit for brass)
- for high temperature variations (hot during sun exposure, cold at night)
- for high humidity
- Creep resistant, tropicalized







Article numbers

Ratings	2.5 mm² 660V, 24A		6 mm² 660V, 41A	10 mm² 660V, 57A	
white	**4020S**		**4020/6S**	**4022S**	
blue	**4020SBL**		**4020/6SBL**	**4022SBL**	
green and yellow	**4020SE**		**4020/6SE**	**4022SE**	

Technical data

Set screws		M5	M6	M7
Clamping couple for electric screw-driver	Nm	0.8	1.4	2.0
Packing unit	pcs	25	20	20

Accessories see pages 1.1.133 and 1.1.134

Where to use

in outdoor switchboxes
in outdoor casings or in tunnels where condensation water can occur
in posts of streetlamps
for one through conductor and one or more branch conductors

How to connect

Unscrew clamping screws, pull off sliding cover,
with terminals 70 and 120 mm² also remove pressure part,
insert bared conductors (one main through conductor and one or more branch conductors) and clamp them with both clamping screws.

Technical information

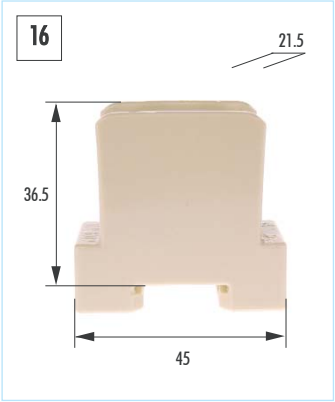
Terminals 2.5-35mm²:
Slotted set screws
Sliding cover of stainless steel, without pressure part

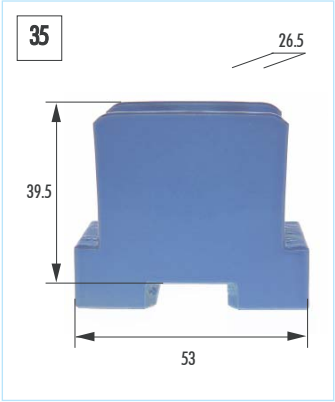
Terminals 70+120mm²:
Allen screws
Sliding cover of nickel-plated brass with pressure part of nickel-plated brass

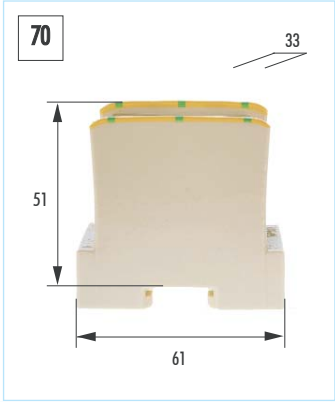
Branching terminals with insulating body of glazed steatite

16-70 mm²

- Terminals and set screws of nickel-plated brass
- for temperature range up to 250°C (upper limit for brass)
- for high temperature variations (hot during sun exposure, cold at night)
- for high humidity
- Creep resistant, tropicalized







Article numbers

Ratings	16 mm² 660V, 76A		35 mm² 660V, 125A	70 mm² 500V, 192A	
white	**4024S**		**4028S**	**4030S**	
blue	**4024SBL**		**4028SBL**	**4030SBL**	
green and yellow	**4024SE**		**4028SE**	**4030SE**	

Technical data

Set screws		M8	M12	M16 Allen
Key size	mm			8
Clamping couple for electric screw-driver	Nm	2.3	3.8	14.2
Packing unit	pcs	20	10	5

Accessories see pages 1.1.133 and 1.1.134

Where to use

in outdoor switchboxes
in outdoor casings or in tunnels where condensation water can occur
in posts of streetlamps
for one through conductor and one or more branch conductors

How to connect

Unscrew clamping screws
Pull off sliding cover,
with terminals 70 and 120 mm² also remove pressure part,
insert bared conductors (one main through conductor and one or more branch conductors) and clamp them with both clamping screws.

Technical information

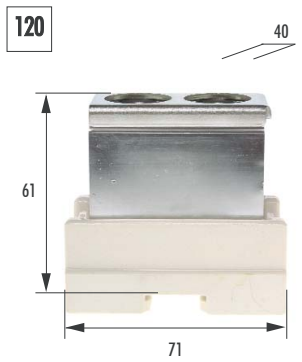
Terminals 2.5-35mm²:
Slotted screws
Sliding cover of stainless steel, without pressure part

Terminals 70+120mm²:
Allen screws
Sliding cover of nickel-plated brass with pressure part of nickel-plated brass

Branching terminals with insulating body of glazed steatite

120 mm²

- Terminal and set screws of nickel-plated brass
- for temperature range up to 250°C (upper limit for brass)
- for high temperature variations (hot during sun exposure, cold at night)
- for high humidity
- Creep resistant, tropicalized



Article numbers

Ratings		120 mm² 500V, 269A			
white		4032S			
blue		4032SBL			
green and yellow		4032SE			

Technical data

Set screws		M20 Allen			
Key size	mm	10			
Clamping couple for electric screw-driver	Nm	30.0			
Packing unit	pcs	5			

Accessories see pages 1.1.133 and 1.1.134

Where to use

in outdoor switchboxes
in outdoor casings or in tunnels where condensation water can occur
in posts of streetlamps
for one through conductor and one or more branch conductors

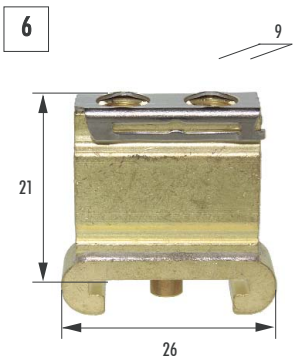
How to connect

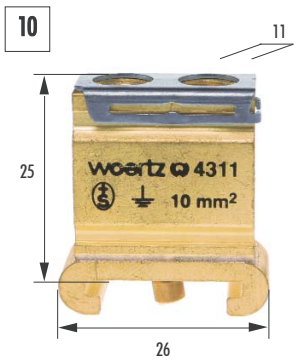
Unscrew clamping screws, pull off sliding cover, remove pressure part, insert bared conductors (one main through conductor and one or more branch conductors) and clamp them with both clamping screws.

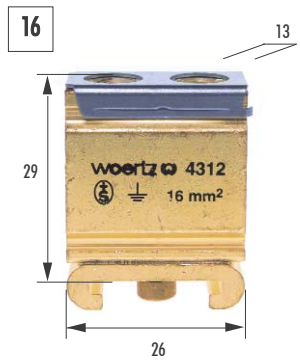
Technical information

Allen screws
Sliding cover of nickel-plated brass with pressure part of nickel-plated brass

- Terminals of brass
- Slotted set screws of nickel-plated brass
- with two screws, with removable sliding cover of stainless steel for through conductors
- The connection between mounting rail and terminal as well as the connected conductors are protected against working loose







Article numbers

Ratings	2.5-6 mm²	4-10 mm²	6-16 mm²
	4310	4311	4312

Technical data

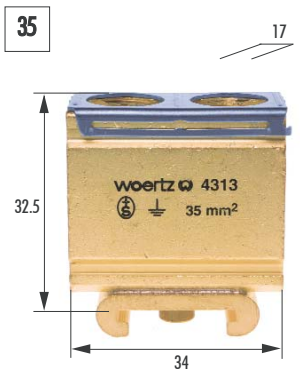
Set screws		M6	M7	M8
Clamping couple for electric screw-driver	Nm	1.4	2.0	2.3
Packing unit	pcs	100	50	25

Accessories see pages 1.1.133 and 1.1.134

Bare earthing terminal

35 mm²

- Terminal of brass
- Slotted set screws of nickel-plated brass
- with two screws, with removable sliding cover of stainless steel for through conductors
- The connection between mounting rail and terminal as well as the connected conductors are protected against working loose



Article numbers

Ratings		10-35 mm²	
		4313	

Technical data

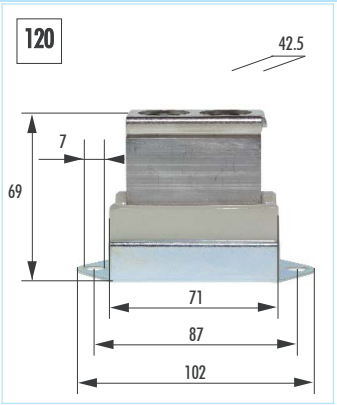
Set screws		M12	
Clamping couple for electric screw-driver	Nm	3.8	
Packing unit	pcs	25	

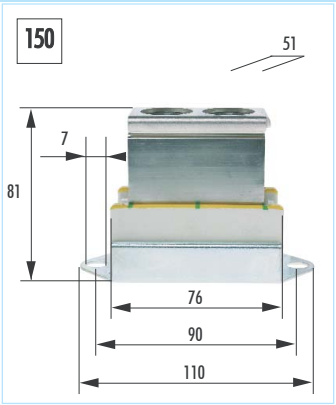
Accessories see pages 1.1.133 and 1.1.134

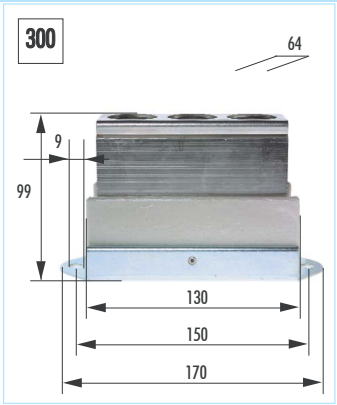
Branching terminals with steatite base

120-300 mm²

- for independent mounting
- Insulating body of glazed steatite
- Clamping body, pressure plate and Allen screws of nickel-plated brass
- with removable sliding cover for through conductors
- Base plate of corrosion-resistant sheet steel
- 120 and 150mm² with 2 Allen screws 300 and 500mm² with 3 Allen screws







Article numbers

Ratings	120 mm² 1000V/250A	150 mm² 1000V/300A	300 mm² 1000V/500A
white	**2809**	**2810**	**2812**
blue	**2809BL**	**2810BL**	**2812BL**
green and yellow	**2809E**	**2810E**	**2812E**

Technical data

Connecting capacity	mm	15 x 31	16 x 36	23 x 51
Clamping screws	Allen	2 x key size 10 M20 x 1.5	2 x key size 10 M22 x 1.5	3 x key size 14 M30 x 2
Clamping couple for electric screw-driver	Nm	30.0	30.0	50.0
Packing unit	pcs	1	1	1

Accessories see pages 1.1.133 and 1.1.134

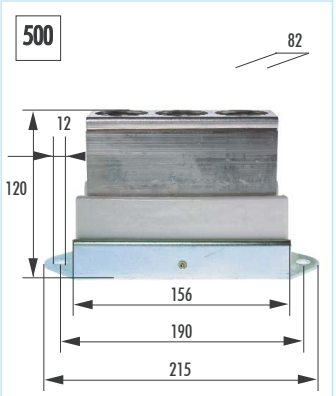
How to connect

Always clamp bared conductors (one main through conductor and one or more branch conductors) with all Allen screws.

Branching terminals with steatite base

500 mm²

- for independent mounting
- Insulating body of glazed steatite
- Clamping body, pressure plate and Allen screws of nickel-plated brass
- with removable sliding cover for through conductors
- Base plate of corrosion-resistant sheet steel
- with 3 Allen screws



Article numbers

Ratings		500 mm² 1000V/650A
grey		**2814**
blue		**2814BL**
green and yellow		**2814E**

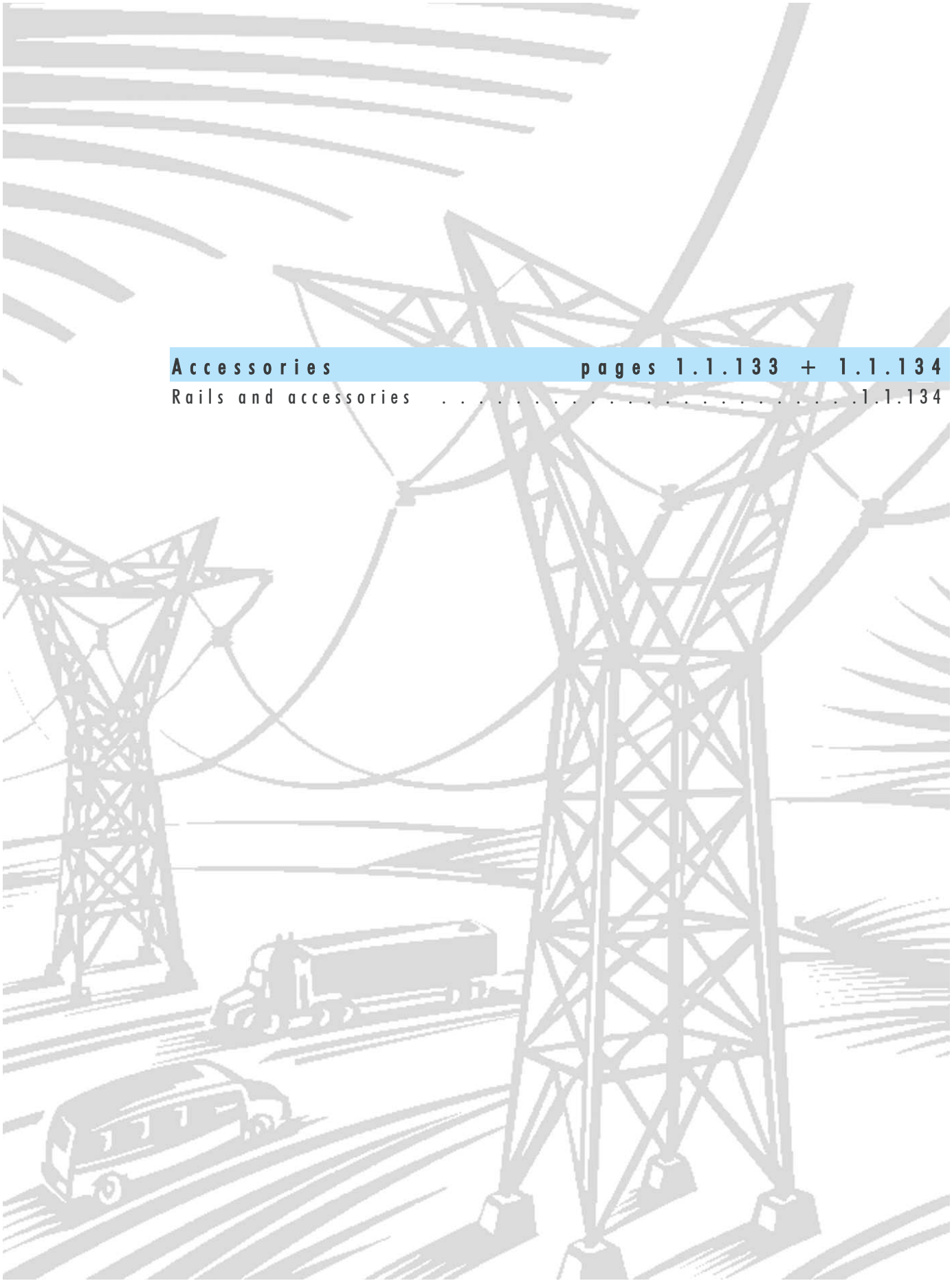
Technical data

Connecting capacity	mm	30 x 62
Clamping screws	Allen	3 x key size 17
Thread		G 1 1/8"
Clamping couple for electric screw-driver	Nm	50.0
Packing unit	pcs	1

Accessories see pages 1.1.133 and 1.1.134

How to connect

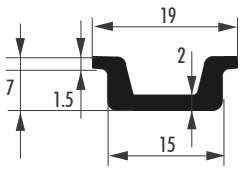
Always clamp bared conductors (one main through conductor and one or more branch conductors) with all three Allen screws.



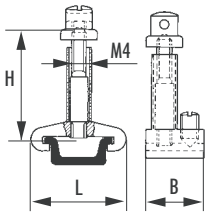
Accessories **pages 1.1.133 + 1.1.134**
Rails and accessories 1.1.134

Woertz rail and accessories

Woertz rail

Article number	Illustration	Dimension illustration	Technical data
4050A			of aluminum alloy Corresponds to the thermal resistance to short-circuits of a Cu conductor of 50mm² Made in lengths of 3m, weight 160 g/m

Supporting studs

Article number	Illustration	Dimension illustration	Technical data
4490B			with clamp and sealing screw, of nickel-plated brass, insulated bolt, for mounting on Woertz rail W=16mm, L=26mm, H=31mm Packing unit 50 pcs
4491B			with clamp and sealing screw, of nickel-plated brass, insulated bolt, for mounting on Woertz rail W=16mm, L=26mm, H=56mm Packing unit 50 pcs

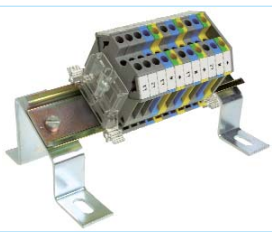
Clamp

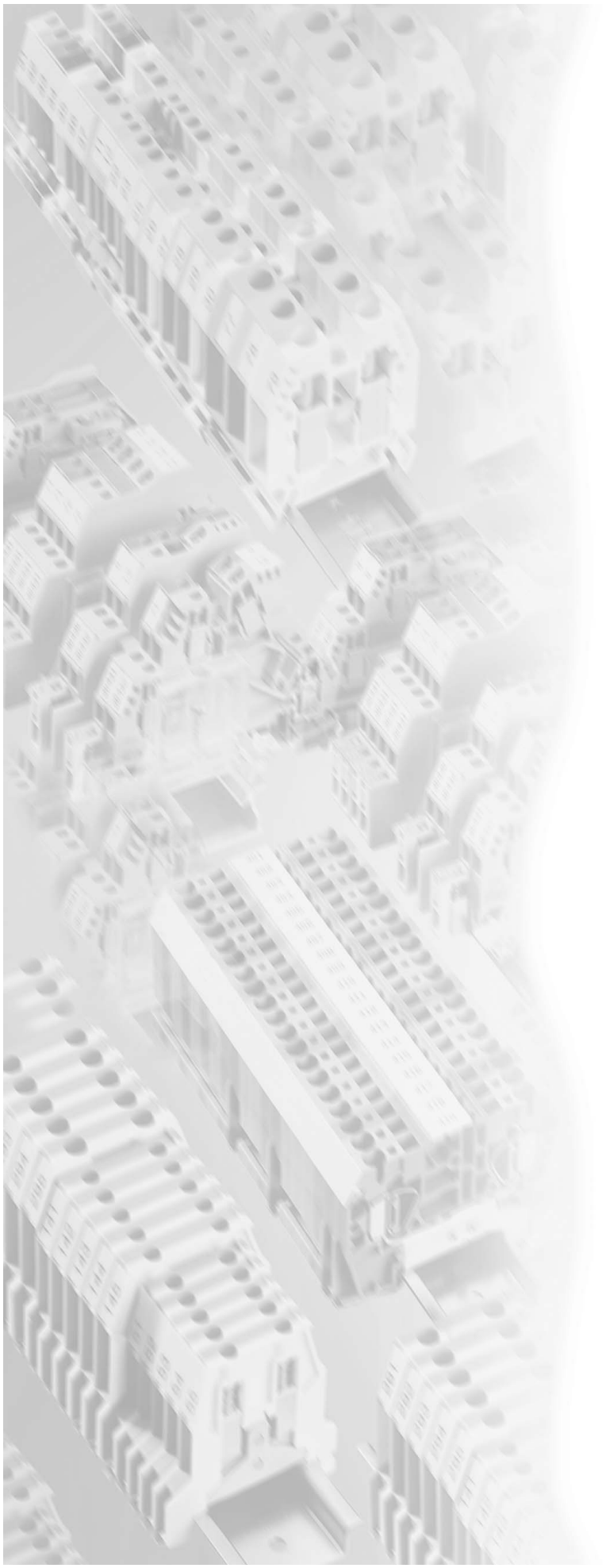
Article number	Illustration	Technical data
4054		5mm wide, of nickel-plated brass, with screw M3, for mounting on Woertz rail Packing unit 50 pcs

Spacer

Article number	Illustration	Technical data
4053/10J		10mm wide, of thermosetting plastic, black Packing unit 150 pcs

Angled support bracket

Article number	Illustration	Dimension illustration	Technical data
80360/30			of sheet steel 2 mm, galvanized Length 89mm, width 20 mm, height 48mm angle of 30° with screw thread M6 for an accessible arrangement of terminals Packing unit: 10 pcs



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STANDARD CROSS SECTIONS OF ROUND COPPER CONDUCTORS

Rated cross section mm²	AWG/MCM
0.2 mm²	
0.33 mm²	**22 AWG**
0.5 mm²	
0.513 mm²	**20 AWG**
0.75 mm²	
0.82 mm²	**18 AWG**
1.0 mm²	
1.31 mm²	**16 AWG**
1.5 mm²	
2.08 mm²	**14 AWG**
2.5 mm²	
3.31 mm²	**12 AWG**
4 mm²	
5.26 mm²	**10 AWG**
6 mm²	
8.37 mm²	**8 AWG**
10 mm²	
13.3 mm²	**6 AWG**

Rated cross section mm²	AWG/MCM
16 mm²	
21.1 mm²	**4 AWG**
25 mm²	
26.7 mm²	**3 AWG**
33.6 mm²	**2 AWG**
35 mm²	
42.4 mm²	**1 AWG**
50 mm²	
53.5 mm²	**0 AWG**
67.4 mm²	**00 AWG**
70 mm²	
85 mm²	**000 AWG**
95 mm²	
107 mm²	**0000 AWG**
120 mm²	

Rated cross section mm²	AWG/MCM
127 mm²	**250 MCM**
150 mm²	
152 mm²	**300 MCM**
177 mm²	**350 MCM**
185 mm²	
203 mm²	**400 MCM**
240 mm²	
253 mm²	**500 MCM**
304 mm²	**600 MCM**
355 mm²	**700 MCM**
380 mm²	**750 MCM**
405 mm²	**800 MCM**
456 mm²	**900 MCM**
507 mm²	**1000 MCM**
634 mm²	**1250 MCM**
760 mm²	**1500 MCM**
887 mm²	**1750 MCM**
1014 mm²	**2000 MCM**

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