
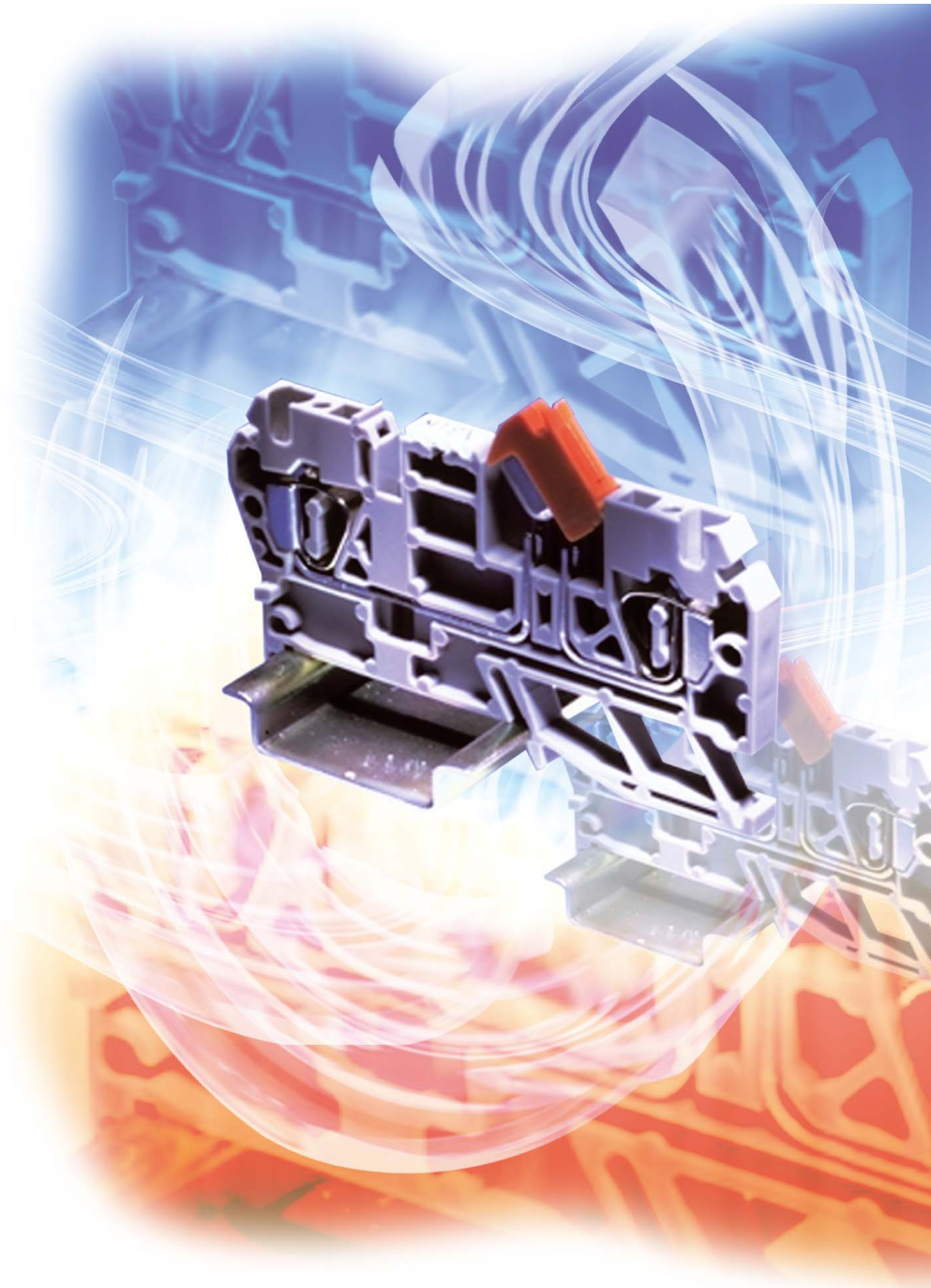


SPRING CLAMP TERMINAL


woertz



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Structure of the catalog

PA 66
insulating material polyamide 66

CE
approvals

general information

article number

technical data

number of possible labels

suitable accessories

mounting rails EN 60715 TH35

Spring clamp terminals with 2 clamps
10 + 16 mm²

nominal cross-section

ratings according to IEC

ratings according to UL

article description

ratings

Article numbers

Technical data

Accessories see pages 1.3.29 to 1.3.42

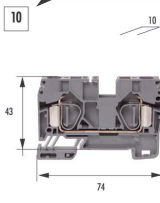
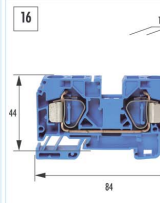
woertz

1.3.1

catalog register 1

section 3

page number

10		16	
			
Article numbers			
1.5-10 mm² 800V/57A		16-6 AWG 600V/60A	
grey blue green and yellow (insulated earthing conductor)		2.5-16 mm ² 800V/76A 14-4 AWG 600V/65A	
35310/10GR 35310/10BL 35310/10E		35310/16GR 35310/16BL 35310/16E	
Technical data			
Strip insulation mm		18	
Packing unit pcs.		50	
Accessories see pages 1.3.29 to 1.3.42			
Test adaptors		80247 80248	
Marking cards on top, left and right		RB/5x9 RB/5x12	
Marking strips on top, left and right		35455/09BS 35455/15BS	
Marking adaptor		35455/59T	
Partition and end barrier		35311/10	
End retainer		35445	
Cross-connectors, 2-part for vertically shifted jumpering of adjacent terminals		35425/10	

Introduction pages 1.3.4 to 1.3.9

Spring clamp terminals pages 1.3.10 to 1.3.28

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Spring clamp ground conductor terminals with 2 clamps 2.5-16mm ²	1.3.12-1.3.13
Spring clamp terminals with 3 clamps 1.5-6mm ²	1.3.14-1.3.15
Spring clamp ground conductor terminals with 3 clamps 2.5-6mm ²	1.3.16
Spring clamp terminals with 4 clamps 2.5+4mm ²	1.3.17
Spring clamp ground conductor terminals with 4 clamps 2.5+4mm ²	1.3.18
Spring clamp terminal with 2 cross-connections 4mm ²	1.3.19
Two-step spring clamp terminals 2.5+4mm ²	1.3.20
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Three-step spring clamp terminal 1.5mm ²	1.3.22
Three-step spring clamp terminal with ground connection 1.5mm ²	1.3.23
Disconnecting transit terminal 2.5mm ²	1.3.24
Knife disconnecting terminal 2.5mm ²	1.3.25
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Accessories pages 1.3.30 to 1.3.42

Introduction

Company profile

The Woertz company was founded in 1928; our head office is in Muttentz 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 Muttentz, the duct and double floor systems in the branch located in Hölstein.

Muttentz head office



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

Hölstein branch



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



**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



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 bodies of our terminals are 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	1.14	
	Humidity-absorption (normal conditions) %	2.8 ± 0.3	
	Water-absorption at 23°C (saturation) %	8.5 ± 0.5	
Burning behavior			
according to VDE 0304, part 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	90
		moist	65
Elongation at tear	%	dry	20
		moist	> 50
Elastic modulus (tension test)	N/mm ²	dry	3400
		moist	1700
Ductility (notch d=3mm)	kJ/m ²	dry	40
Indentation hardness	N/mm ²	dry	170
		moist	110
Thermal properties	Unit	State of sample	polyamide 66
Heat-resistance according to ISO 75			
Process A	°C	dry	105
Process B	°C	dry	> 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	Unity	State of sample	polyamide 66
Dielectric constant (10 ⁵ Hz)		dry	3.2
		moist	5.0
Dielectric loss factor tan δ (10 ⁵ Hz)		dry	0.025
		moist	0.2
Dielectric strength	kV/mm	dry	100-150
		moist	30-80
Specific volume resistance	Ω x cm	dry	10 ¹⁵
		moist	10 ¹²
Surface resistance R _{OA}	Ω	dry	10 ¹²
		moist	10 ¹⁰
Creep resistance	CTI	dry / moist	> 600 (non-reinforced)

Spring clamp connecting terminals

To connect one conductor to each clamp.

Springs of stainless steel.

Corrosion resistant, also suitable for marine systems,
for systems with high temperature variations, vibration resistant.

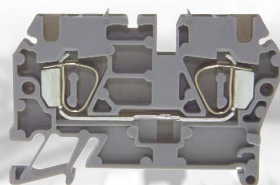
Approved for hazardous locations.



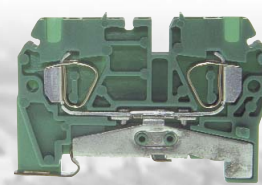
Spring clamp terminal overview

Spring clamp terminals to mounting rails 35mm according to EN 60715 TH 35

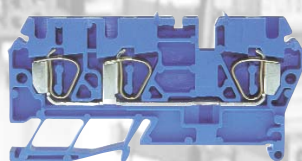
Spring clamp terminals



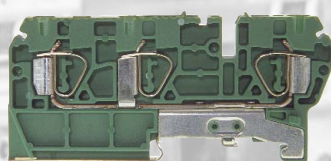
Spring clamp terminals
with 2 clamps
2.5-16 mm²
series 35310/..
pages 1.3.10 - 1.3.11



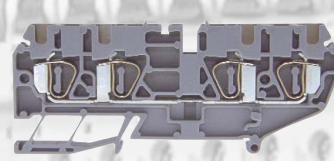
Spring clamp ground conductor terminals
with 2 clamps
2.5-16 mm²
series 35310/..V
pages 1.3.12 - 1.3.13



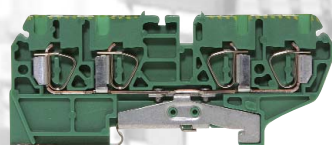
Spring clamp terminals
with 3 clamps
1.5-6 mm²
series 35330/..
pages 1.3.14 - 1.3.15



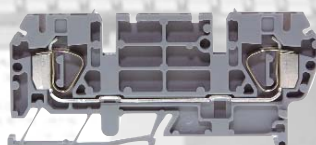
Spring clamp ground conductor terminals
with 3 clamps
2.5-6 mm²
series 35330/..V
page 1.3.16



Spring clamp terminals
with 4 clamps
2.5+4 mm²
series 35340/..
page 1.3.17



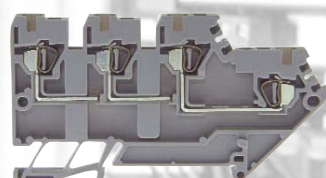
Spring clamp ground conductor terminals
with 4 clamps
2.5+4 mm²
series 35340/..V
page 1.3.18



Spring clamp terminal
with 2 cross-connections
4 mm²
series 35360/..
page 1.3.19



Two-step spring clamp terminals
2.5+4 mm²
series 35320/..
page 1.3.20



Spring clamp terminals for proximity
switches with/without ground connection
1.5 mm²
series 35370/..
page 1.3.21



Three-step spring clamp terminals
1.5 mm²
series 35400/..
page 1.3.22

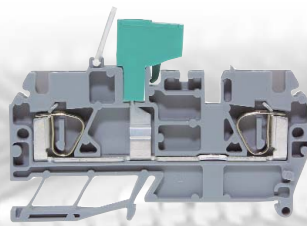


Three-step spring clamp terminals
with ground connection
1.5 mm²
series 35410/..
page 1.3.23

Spring clamp terminal overview

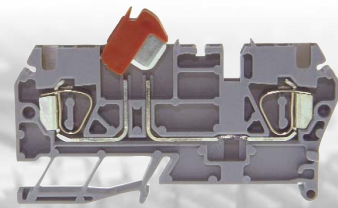
Spring clamp terminals to mounting rails 35mm according to EN 60715 TH 35

Spring clamp terminals



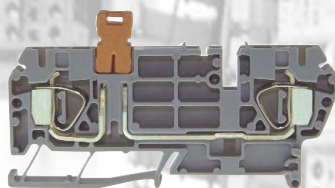
Disconnecting transit terminal
2.5 mm²
Art.No. 35470/3SV

page 1.3.24

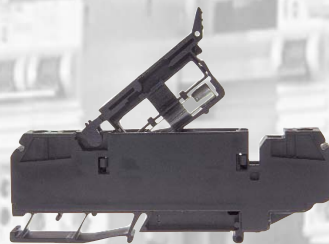


Knife disconnecting terminal
2.5 mm²
Art.No. 35350/3TM

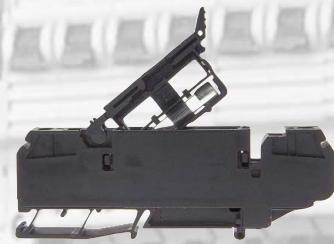
page 1.3.25



Disconnecting spring clamp terminal
for plug
4 mm²
Art.No. 35390/4TS
page 1.3.26



Spring clamp fuse terminals
4 mm²
for fuses 5x20mm
Art.No. 35490/..
page 1.3.27



Spring clamp fuse terminals
4 mm²
for fuses 1/4"x1 1/4"
Art.No. 35495/..
page 1.3.28

Accessories



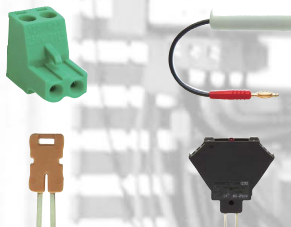
Partitions and end barriers, end retainer

pages 1.3.30-1.3.31



Cross-junction racks, cross-connectors and
funnel-shaped cable entrances

pages 1.3.32-1.3.33



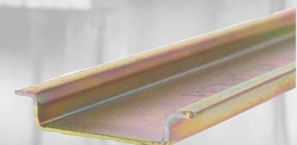
Female connectors, test plugs, disconnecting
plugs, etc.

page 1.3.34-1.3.36



Marking cards, marking strips and holders

page 1.3.37-1.3.39



Rails and accessories

pages 1.3.40-1.3.42

Spring clamp terminals with 2 clamps

2.5-6 mm²



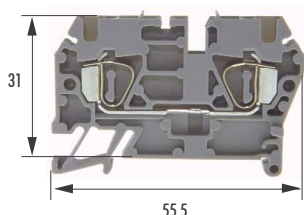
PA 66



- Springs of stainless steel
- Connecting bar of tinned copper
- Marking with label or marking strip
- Easy introduction of strands of the nominal cross-section even without end sleeves
- Use funnel-shaped cable entrances for introducing wires and strands with smaller cross-sections
- Insulated, recessed and separable cross-junction racks for 10 terminals
- Ex terminals also available (see Ex flyer)

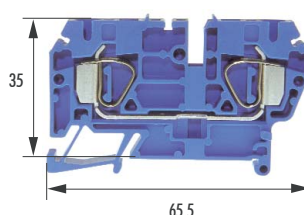
2.5

5



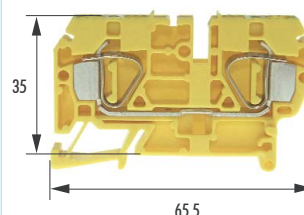
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6

8



Article numbers

Ratings	0.2-2.5 mm ² 800V/24A	26-12 AWG 600V/20A	0.5-4 mm ² 800V/32A	22-10 AWG 600V/30A	0.5-6 mm ² 800V/41A	22-8 AWG 600V/50A
grey	35310/3GR		35310/4GR		35310/6GR	
blue	35310/3BL		35310/4BL		35310/6BL	
green and yellow (insulated earthing conductor)	35310/3E		35310/4E		35310/6E	



Technical data

Strip insulation	mm	10	12	12
Packing unit	pcs.	50	50	50



Accessories see pages 1.3.29 to 1.3.42

Test adaptors		80247 80248		80247 80248		80247 80248	
Marking cards on top in the middle		RB/5x9 RB/5x12	1 label 1 label	RB/6x9 RB/6x12	1 label 1 label	RB/8x9 RB/8x12	1 label 1 label
Marking strips on top in the middle and at both narrow sides		35455/09BS 35455/15BS	(3 strips)	35455/09BS 35455/15BS	(3 strips)	35455/09BS 35455/15BS	(3 strips)
Marking adaptor		35455/59T		35455/69T			
Partition and end barrier		35311/3		35311/4		35311/4	
End retainer		35445		35445		35445	
Cross-junction racks grey blue red black		35425/05 35425/05BL 35425/05RO		35425/06		35425/08	
Bridges to cross-junction racks		35425/05BR		35425/06BR		35425/06BR	
Funnel-shaped cable entrance for 0.2 mm ² conductor, white for 0.5 mm ² conductor, grey for 1 mm ² conductor, black for 1.5 mm ² conductor, black		35435/302 35435/305 35435/310		35435/405 35435/415		35435/605 35435/615	

Spring clamp terminals with 2 clamps

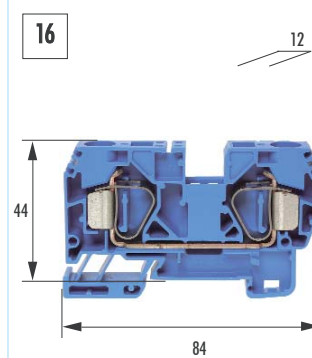
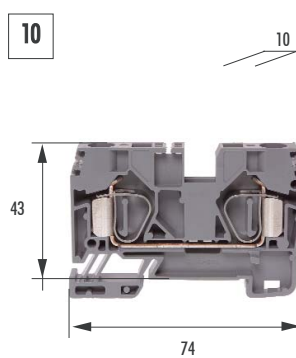
10 + 16 mm²



PA 66



- Springs of stainless steel
- Connecting bar of tinned copper
- Marking with label or marking strip
- Easy introduction of flexible stranded conductors of the nominal cross-section even without end sleeves
- Insulated, recessed, 2-part cross-connectors for vertically shifted connection of adjacent terminals



Article numbers

Ratings	1.5-10 mm ² 800V/57A	16-6 AWG 600V/60A	2.5-16 mm ² 800V/76A	14-4 AWG 600V/65A	
grey	35310/10GR		35310/16GR		
blue	35310/10BL		35310/16BL		
green and yellow (insulated earthing conductor)	35310/10E		35310/16E		



Technical data

Strip insulation	mm	18	18	
Packing unit	pcs.	50	50	



Accessories see pages 1.3.29 to 1.3.42

Test adaptors		80247 80248		80247 80248		
Marking cards on top, left and right		RB/5x9 RB/5x12	6 labels 6 labels	RB/6x9 RB/6x12	6 labels 6 labels	
Marking strips on top, left and right		35455/09BS 35455/15BS	(3 strips)	35455/09BS 35455/15BS	(3 strips)	
Marking adaptor		35455/59T	(2 adaptors)	35455/69T	(2 adaptors)	
Partition and end barrier		35311/10		35311/16		
End retainer		35445		35445		
Cross-connectors, 2-part for vertically shifted jumpering of adjacent terminals		35425/10		35425/12		

Spring clamp ground conductor terminals with 2 clamps

2.5-6 mm²



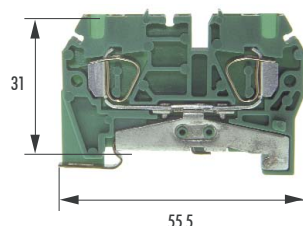
PA 66



- Springs and base part of ground conductor of stainless steel
- Connecting bar of tinned copper
- Marking with label or marking strip
- Easy introduction of strands of the nominal cross-section even without end sleeves
- Use funnel-shaped cable entrances for introducing wires and strands with smaller cross-sections
- For recessed cross-connections
- Ex terminals also available (see Ex flyer)

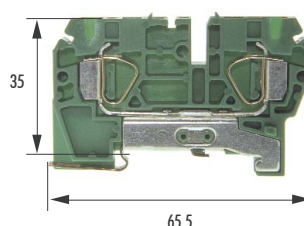
2.5

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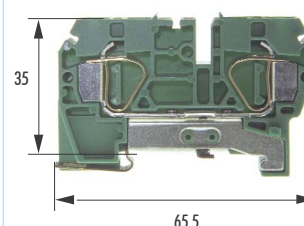
4

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6

8



Article numbers

Ratings	2.5 mm ²	12 AWG	4 mm ²	10 AWG	6 mm ²	8 AWG
to terminals for polar conductor	35310/3		35310/4		35310/6	
green with yellow marking	35310/3V		35310/4V		35310/6V	



Technical data

Strip insulation	mm	10	12	12
Packing unit	pcs.	50	50	50



Accessories see pages 1.3.29 to 1.3.42

Test adaptors		80247 80248		80247 80248		80247 80248	
Marking cards on top in the middle		RB/5x9 RB/5x12	1 label 1 label	RB/6x9 RB/6x12	1 label 1 label	RB/8x9 RB/8x12	1 label 1 label
Marking strips on top in the middle and at both narrow sides		35455/09BS 35455/15BS	(3 strips)	35455/09BS 35455/15BS	(3 strips)	35455/09BS 35455/15BS	(3 strips)
Marking adaptor		35455/59T		35455/69T			
Partition and end barrier		35311/3		35311/4		35311/4	
End retainer		35445		35445		35445	
Funnel-shaped cable entrance for 0.2 mm ² conductor, white for 0.5 mm ² conductor, grey for 1 mm ² conductor, black for 1.5 mm ² conductor, black		35435/302 35435/305 35435/310		35435/405 35435/415		35435/605 35435/615	

Spring clamp ground conductor terminals with 2 clamps

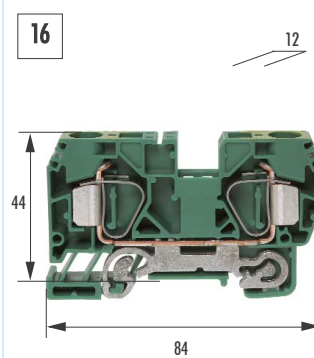
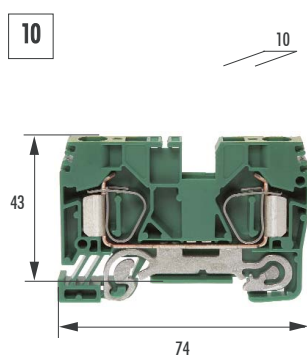
10 + 16 mm²



PA 66



- Springs of stainless steel
- Connecting bar and base part of ground conductor of tinned copper
- Marking with label or marking strip
- Easy introduction of flexible stranded conductors of the nominal cross-section even without end sleeves



Article numbers

Ratings	10 mm ²	6 AWG	16 mm ²	4 AWG
to terminals for polar conductor	35310/10		35310/16	
green with yellow marking	35310/10V		35310/16V	



Technical data

Strip insulation	mm	18	18
Packing unit	pcs.	50	50



Accessories see pages 1.3.29 to 1.3.42

Test adaptors		80247 80248		80247 80248	
Marking cards on top in the middle		RB/5x9 RB/5x12	2 labels 2 labels	RB/6x9 RB/6x12	2 labels 2 labels
Marking strips on top in the middle and at both narrow sides		35455/09BS 35455/15BS	(3 strips)	35455/09BS 35455/15BS	(3 strips)
Marking adaptor		35455/59T	(2 adaptors)	35455/69T	(2 adaptors)
Partition and end barrier		35311/10		35311/16	
End retainer		35445		35445	

Important information

Spring clamp ground conductor terminals Art. No. 35310/16V have to be mounted on copper rails, i.e. on mounting rails Art. No. 80290.

Spring clamp terminals with 3 clamps

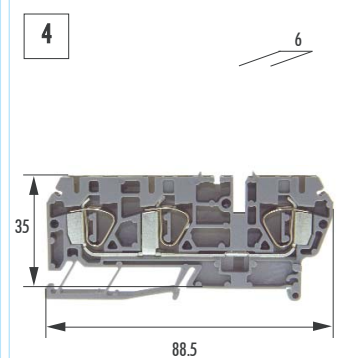
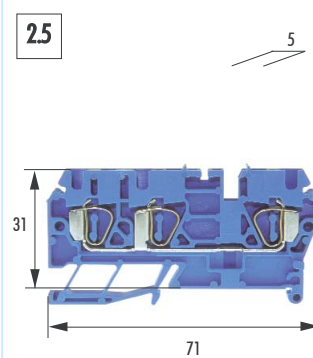
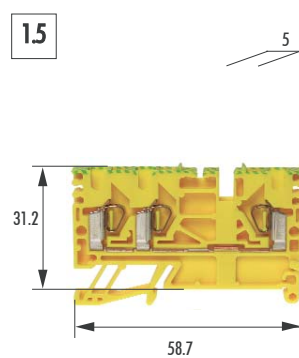
1.5-4 mm²



PA 66



- Springs of stainless steel
- Connecting bar of tinned copper
- Marking with label or marking strip
- Easy introduction of strands of the nominal cross-section even without end sleeves
- Use funnel-shaped cable entrances for introducing wires and strands with smaller cross-sections
- Insulated, recessed and separable cross-junction racks for 10 terminals
- Ex terminals also available (see Ex flyer)



Article numbers

Ratings	0.2-1.5 mm ² 800V/10A	26-14 AWG 600V/10A	0.2-2.5 mm ² 800V/24A	26-12 AWG 600V/20A	0.5-4 mm ² 800V/32A	22-10 AWG 600V/30A
grey	35330/2GR		35330/3GR		35330/4GR	
blue	35330/2BL		35330/3BL		35330/4BL	
yellow with green marking (insulated earthing conductor)	35330/2E					










Technical data

Strip insulation	mm	8	10	12
Packing unit	pcs.	50	25	25



Accessories see pages 1.3.29 to 1.3.42

Test adaptors				80247 80248		80247 80248	
Marking cards on top		RB/5x9	3 labels	RB/5x9	1 label	RB/6x9	1 label
			(also at the narrow sides)	RB/5x12	1 label	RB/6x12	1 label
Marking strips on top in the middle and at both narrow sides		35455/09BS	(3 strips)	35455/09BS 35455/15BS	(3 strips)	35455/09BS 35455/15BS	(3 strips)
Marking adaptor		35455/59T		35455/59T		35455/69T	
Partition and end barrier		35331/2		35341/3		35341/4	
End retainer		35445		35445		35445	
Cross-junction racks		35425/05 35425/05BL 35425/05RO		35425/05 35425/05BL 35425/05RO		35425/06	
grey blue red black							
Bridges to cross-junction racks		35425/05BR		35425/05BR		35425/06BR	
Funnel-shaped cable entrance		35435/302 35435/305 35435/310		35435/302 35435/305 35435/310		35435/405 35435/415	
for 0.2 mm ² conductor, white							
for 0.5 mm ² conductor, grey							
for 1 mm ² conductor, black							
for 1.5 mm ² conductor, black							

Spring clamp terminals with 3 clamps

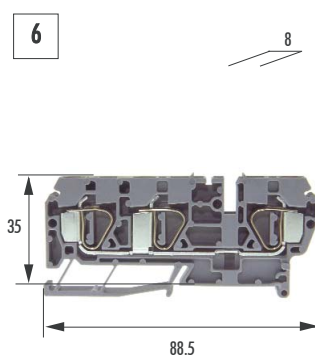
6 mm²



PA 66



- Springs of stainless steel
- Connecting bar of tinned copper
- Marking with label or marking strip
- Easy introduction of strands of the nominal cross-section even without end sleeves
- Use funnel-shaped cable entrances for introducing wires and strands with smaller cross-sections
- Insulated, recessed and separable cross-junction racks for 10 terminals
- Ex terminals also available (see Ex flyer)



Article numbers

Ratings	0.5-6 mm ² 800V/41A	22-8 AWG 600V/50A		
grey	35330/6GR			
blue	35330/6BL			



Technical data

Strip insulation	mm	12		
Packing unit	pcs.	25		



Accessories see pages 1.3.29 to 1.3.42

Test adaptors		80247 80248			
Marking cards on top		RB/8x9 RB/8x12	1 label 1 label		
Marking strips on top and at both narrow sides		35455/09BS 35455/15BS	(3 strips)		
Partition and end barrier		35341/4			
End retainer		35445			
Cross-junction racks black		35425/08			
Bridge to cross-junction racks		35425/06BR			
Funnel-shaped cable entrance for 0.5 mm ² conductor, grey for 1.5 mm ² conductor, black		35435/605 35435/615			

Spring clamp ground conductor terminals with 3 clamps

2.5-6mm²



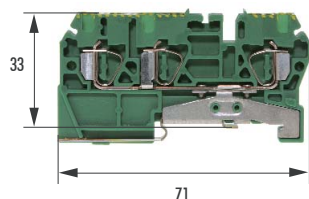
PA 66



- Springs and base part of ground conductor of stainless steel
- Connecting bar of tinned copper
- Marking with label or marking strip
- Easy introduction of strands of the nominal cross-section even without end sleeves
- Use funnel-shaped cable entrances for introducing wires and strands with smaller cross-sections
- For recessed cross-connections
- Ex terminals also available (see Ex flyer)

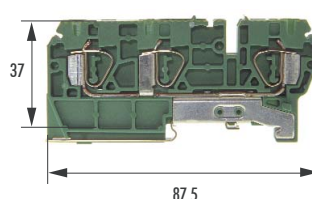
2.5

5



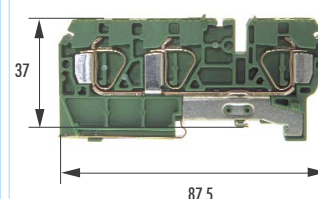
4

6



6

8



Article numbers

Ratings	2.5 mm ²	12 AWG	4 mm ²	10 AWG	6 mm ²	8 AWG
to terminals for polar conductor	35330/3		35330/4		35330/6	
green with yellow marking	35330/3V		35330/4V		35330/6V	



Technical data

Strip insulation	mm	10	12	12
Packing unit	pcs.	25	25	25



Accessories see pages 1.3.29 to 1.3.42

Test adaptors		80247 80248		80247 80248		80247 80248	
Marking cards on top		RB/5x9 RB/5x12	1 label 1 label	RB/6x9 RB/6x12	1 label 1 label	RB/8x9 RB/8x12	1 label 1 label
Marking strips on top and at both narrow sides		35455/09BS 35455/15BS	(3 strips)	35455/09BS 35455/15BS	(3 strips)	35455/09BS 35455/15BS	(3 strips)
Marking adaptor		35455/59T		35455/69T			
Partition and end barrier		35341/3		35341/4		35341/4	
End retainer		35445		35445		35445	
Funnel-shaped cable entrance for 0.2 mm ² conductor, white for 0.5 mm ² conductor, grey for 1 mm ² conductor, black for 1.5 mm ² conductor, black		35435/302 35435/305 35435/310		35435/405 35435/415		35435/605 35435/615	

Spring clamp terminals with 4 clamps

2.5 + 4 mm²



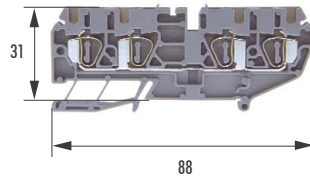
PA 66



- Springs of stainless steel
- Connecting bar of tinned copper
- Marking with label or marking strip
- Easy introduction of strands of the nominal cross-section even without end sleeves
- Use funnel-shaped cable entrances for introducing wires and strands with smaller cross-sections
- Insulated, recessed and separable cross-junction racks for 10 terminals
- Ex terminals also available (see Ex flyer)

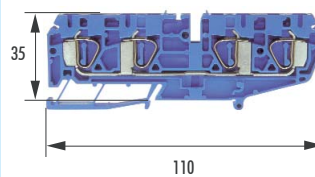
2.5

5



4

6



Article numbers

Ratings	0.2-2.5 mm ² 800V/24A	26-12 AWG 600V/20A	0.5-4 mm ² 800V/32A	22-10 AWG 600V/30A	
grey	35340/3GR		35340/4GR		
blue	35340/3BL		35340/4BL		



Technical data

Strip insulation	mm	10	12	
Packing unit	pcs.	25	25	



Accessories see pages 1.3.2.9 to 1.3.4.2

Test adaptors		80247 80248		80247 80248		
Marking cards on top in the middle		RB/5x9 RB/5x12	1 label 1 label	RB/6x9 RB/6x12	1 label 1 label	
Marking strips on top in the middle and at both narrow sides		35455/09BS 35455/15BS	(3 strips)	35455/09BS 35455/15BS	(3 strips)	
Marking adaptor		35455/59T		35455/69T		
Partition and end barrier		35341/3		35341/4		
End retainer		35445		35445		
Cross-junction racks grey blue red black		35425/05 35425/05BL 35425/05RO		35425/06		
Bridges to cross-junction racks		35425/05BR		35425/06BR		
Funnel-shaped cable entrance for 0.2 mm ² conductor, white for 0.5 mm ² conductor, grey for 1 mm ² conductor, black for 1.5 mm ² conductor, black		35435/302 35435/305 35435/310		35435/405 35435/415		

Spring clamp ground conductor terminals with 4 clamps

2.5 + 4 mm²



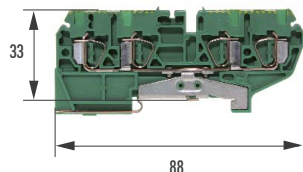
PA 66



- Springs and base part of ground conductor of stainless steel
- Connecting bar of tinned copper
- Marking with label or marking strip
- Easy introduction of strands of the nominal cross-section even without end sleeves
- Use funnel-shaped cable entrances for introducing wires and strands with smaller cross-sections
- For recessed cross-connections
- Ex terminals also available (see Ex flyer)

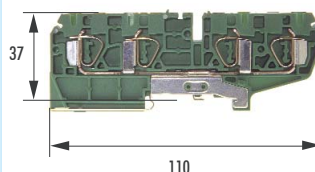
2.5

5



4

6



Article numbers

Ratings

2.5 mm²

12 AWG

4 mm²

10 AWG

to terminals for polar conductor

35340/3

35340/4

green with yellow marking

35340/3V

35340/4V



Technical data

Strip insulation

mm

10

12

Packing unit

pcs.

25

25



Accessories see pages 1.3.29 to 1.3.42

Test adaptors



80247
80248

80247
80248

Marking cards



on top in the middle

RB/5x9
RB/5x12

1 label
1 label

RB/6x9
RB/6x12

1 label
1 label

Marking strips



on top in the middle and at both narrow sides

35455/09BS
35455/15BS

(3 strips)

35455/09BS
35455/15BS

(3 strips)

Marking adaptor

35455/59T

35455/69T

Partition and end barrier

35341/3

35341/4

End retainer



35445

35445

Funnel-shaped cable entrance



for 0.2 mm² conductor, white
for 0.5 mm² conductor, grey
for 1 mm² conductor, black
for 1.5 mm² conductor, black

35435/302
35435/305
35435/310

35435/405

35435/415

Spring clamp terminal with 2 cross-connections

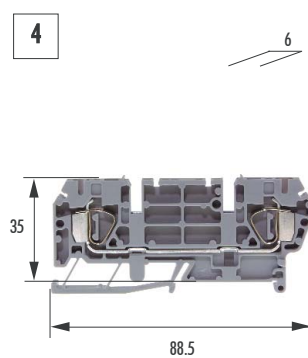
4 mm², without cross-junction racks



PA 66



- Springs of stainless steel
- Connecting bar of tinned copper
- Marking with label or marking strip
- Easy introduction of strands of the nominal cross-section even without end sleeves
- Use funnel-shaped cable entrances for introducing wires and strands with smaller cross-sections
- Insulated, recessed and separable cross-junction racks for 10 terminals
- Ex terminals also available (see Ex flyer)



Article numbers

Ratings	0.5-4 mm ² 800V/32A	22-10 AWG 600V/25A
grey	35360/4GR	
blue	35360/4BL	



Technical data

Strip insulation	mm	12
Packing unit	pcs.	25

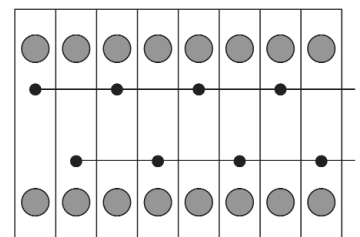


Accessories see pages 1.3.29 to 1.3.42

Test adaptors		80247 80248	
Marking cards on top		RB/6x9 RB/6x12	2 labels 2 labels
Marking strips on top and at both narrow sides		35455/09BS 35455/15BS	(4 strips)
Marking adaptor		35455/69T	
Partition and end barrier		35341/4	
End retainer		35445	
Cross-junction racks black		35425/06	
Bridge to cross-junction racks		35425/06BR	
Funnel-shaped cable entrance for 0.5 mm ² conductor, grey for 1.5 mm ² conductor, black		35435/405 35435/415	

Technical information

Cross-junction racks have to be ordered separately. Special cross-connections are possible, e.g. between all L-terminals on one hand and between all N-terminals on the other hand.



cross-connections made with terminal No. 35360/4.... Every second terminal is left out.

Two-step spring clamp terminals

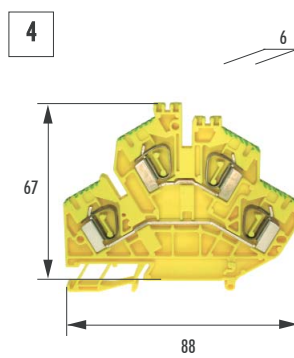
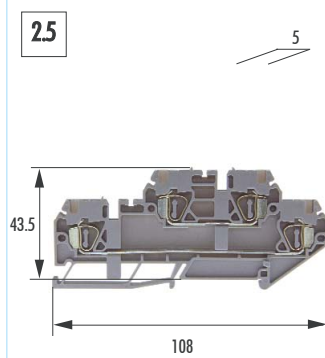
2.5+4 mm²



PA 66



- Springs of stainless steel
- Connecting bar of tinned copper
- Marking on both steps with label or marking strip
- Easy introduction of strands of the nominal cross-section even without end sleeves
- Use funnel-shaped cable entrances for introducing wires and strands with smaller cross-sections
- Insulated, recessed and separable cross-junction racks for 10 terminals
- Ex terminals also available (see Ex flyer)



Article numbers

Ratings	0.2-2.5 mm ² 500V/20A	26-12 AWG 300V/16A	0.5-4 mm ² 500V/31A	22-10 AWG 300V/20A	
grey	35320/3GR		35320/4GR		
blue	35320/3BL		35320/4BL		
green and yellow (insulated earthing conductor)			35320/4E		



Technical data

Strip insulation	mm	10	12	
Packing unit	pcs.	25	25	



Accessories see pages 1.3.29 to 1.3.42

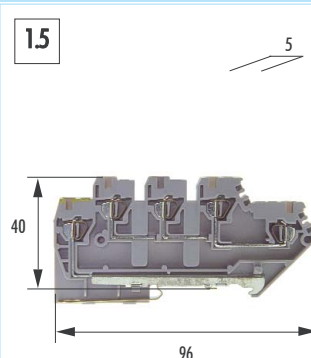
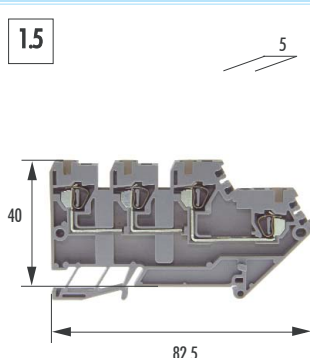
Test adaptors		80247 80248		80247 80248	
Marking cards		RB/5x9 RB/5x12	2 labels 2 labels	RB/6x9 RB/6x12	2 labels 2 labels
Marking strips		35455/09BS 35455/15BS	(6 strips)	35455/09BS 35455/15BS	(2 strips)
Marking adaptor		35455/59T		35455/69T	
Partition and end barrier		35321/3		35321/4	
End retainer		35445		35445	
Cross-junction racks		35425/05 35425/05BL 35425/05RO		35425/06	
Bridges to cross-junction racks		35425/05BR		35425/06BR	
Funnel-shaped cable entrance for 0.2 mm ² conductor, white		35435/302		35435/405	
for 0.5 mm ² conductor, grey		35435/305			
for 1 mm ² conductor, black		35435/310			
for 1.5 mm ² conductor, black				35435/415	



PA 66



- Springs of stainless steel
- Connecting bars of tinned copper
- Marking with label or marking strip
- Easy introduction of strands of the nominal cross-section even without end sleeves
- Use funnel-shaped cable entrances for introducing wires and strands with smaller cross-sections
- Insulated, recessed and separable cross-junction racks for 10 terminals
- Ex terminals also available (see Ex flyer)



Article numbers

Ratings	0.2-1.5 mm ² 60V/17.5A standard version with 4 terminals, 2 cross-connections	26-14 AWG 50V/10A	0.2-1.5 mm ² 60V/17.5A with ground connection on mounting rail, with 5 terminals, 2 cross-connections	26-14 AWG 50V/10A	
grey	35370/2		35370/2V		



Technical data

Strip insulation	mm	8	8	
Packing unit	pcs.	25	25	



Accessories see pages 1.3.29 to 1.3.42

Test adaptors		80247 80248		80247 80248		
Marking cards at the narrow sides		RB/5x9	2 labels	RB/5x9	2 labels	
Marking strips at the narrow sides		35455/09BS	(2 strips)	35455/09BS	(2 strips)	
Marking adaptor		35455/59T		35455/59T		
Partition and end barrier		35371/2		35371/2		
End retainer		35445		35445		
Cross-junction racks grey blue red		35425/05 35425/05BL 35425/05RO		35425/05 35425/05BL 35425/05RO		
Bridge to cross-junction racks		35425/05BR		35425/05BR		
Funnel-shaped cable entrance for 0.2 mm ² conductor, white for 0.5 mm ² conductor, grey for 1 mm ² conductor, black		35435/302 35435/305 35435/310		35435/302 35435/305 35435/310		

Three-step spring clamp terminal

1.5 mm²



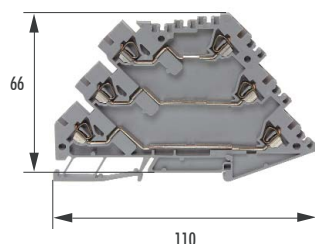
PA 66



- Springs of stainless steel
- Connecting bar of tinned copper
- Marking with label or marking strip
- Easy introduction of strands of the nominal cross-section even without end sleeves
- Use funnel-shaped cable entrances for introducing wires and strands that are smaller than 1.5mm²
- Left narrow side of each step designed for inserting insulated, recessed and separable cross-junction racks
- Ex terminals also available (see Ex flyer)

1.5

5



Article numbers

Ratings	0.2-1.5 mm ² 500V/17.5A	26-14 AWG 300V/15A		
grey	35400/2GR			
blue	35400/2BL			



Technical data

Strip insulation	mm	8		
Packing unit	pcs.	25		



Accessories see pages 1.3.29 to 1.3.42

Marking cards on top and at the right narrow side		RB/5x9	6 labels		
Marking strips on top and at the right narrow side		35455/09BS	(6 strips)		
Marking adaptor		35455/59T			
Partition and end barrier		35401/2			
End retainer		35445			
Cross-junction racks grey blue red		35425/05 35425/05BL 35425/05RO			
Bridge to cross-junction racks		35425/05BR			
Funnel-shaped cable entrance for 0.2 mm ² conductor, white for 0.5 mm ² conductor, grey for 1 mm ² conductor, black		35435/302 35435/305 35435/310			

Three-step spring clamp terminals with ground connection

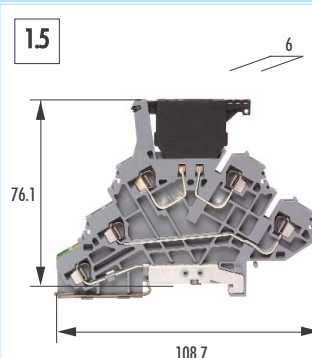
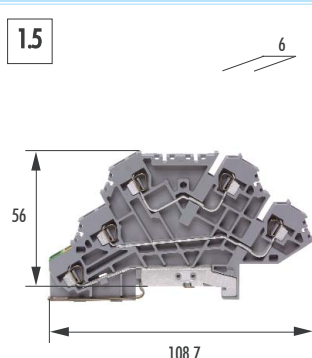
1.5 mm²



PA 66



- Springs of stainless steel
- Connecting bar of tinned copper
- Marking with label or marking strip
- Easy introduction of strands of the nominal cross-section even without end sleeves
- Use funnel-shaped cable entrances for introducing wires and strands that are smaller than 1.5mm²
- Right narrow side of 2nd and 3rd designed for inserting one insulated, recessed and separable cross-junction rack



*Order fuse separately!



Article numbers

Ratings

0.2-1.5 mm²
500V/10A

26-14 AWG
300V/10A

0.2-1.5 mm²
500V/10A

26-14 AWG
300V/10A

standard version
3rd step continuous

3rd step separate,
with pivoting holder for
1 fuse*5x20mm

grey

35410/2

35410/2F



Technical data

Strip insulation

mm

8

8

Packing unit

pcs.

20

10



Accessories see pages 29 to 42

Marking cards



at the left and right narrow sides

RB/6x9

2 labels each

RB/6x9

2 labels each

Marking strips



at the left and right narrow sides

35455/09BS

(2 strips each)

35455/09BS

(2 strips each)

designed for 2
further marking
labels or
2 marking strips
on the top

fuse-carrier desi-
gined for 1 further
marking label

Marking adaptor

35455/69T

35455/69T

Partition and end barrier

35411/2

35411/2

End retainer



35445

35445

Cross-junction racks



grey

35425/06

35425/06

Bridge to cross-junction
racks



35425/06BR

35425/06BR

Funnel-shaped cable entrance



for 0.2 mm² conductor, white
for 0.5 mm² conductor, grey
for 1 mm² conductor, black

35435/302
35435/305
35435/310

35435/302
35435/305
35435/310

Disconnecting transit terminal

2.5 mm² with contact pin for clipping on female connectors 2 to 12-part



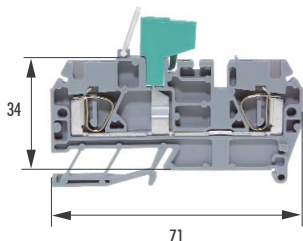
PA 66



- Springs of stainless steel
- Connecting bar with contact pin of nickel-plated brass
- Marking with label or marking strip
- Enables plug connection between terminal and PCB connectors with different pole numbers
- Easy introduction of strands of the nominal cross-section even without end sleeves
- Use funnel-shaped cable entrances for introducing wires and strands with smaller cross-sections
- Insulated, recessed and separable cross-junction racks for 10 terminals

2.5

5



height with female connector = 44mm

Never handle female connectors when live!



Article numbers

Ratings 0.2-2.5 mm² 26-12 AWG
800V/24A 150V/15A

grey 35470/3SV



Technical data

Strip insulation mm 10

Packing unit pcs. 50



Accessories see pages 1.3.29 to 1.3.42

Test adaptors 80247 80248

Marking cards on top RB/5x9 1 label
RB/5x12 1 label

Marking strips on top and at both narrow sides 35455/09BS (3 strips)
35455/15BS

Marking adaptor 35455/59T

Partition and end barrier 35341/3

End retainer 35445

Cross-junction racks grey 35425/05
blue 35425/05BL
red 35425/05RO

Bridge to cross-junction racks 35425/05BR

Funnel-shaped cable entrance for 0.2 mm² conductor, white 35435/302
for 0.5 mm² conductor, grey 35435/305
for 1 mm² conductor, black 35435/310

Female connectors 2.5 mm², Grid 5.08mm, 250V 2- to 12-part 31251H/0.. Art. No. ends with 002 to 012 (number of poles)

Protection against contact for contact pin, transparent, 24-part, breakable 35475/3A

Technical information

Cover contact pin when female connector is removed. Stick transparent protection against contact between the 2 cams on top of the terminal and fold them.

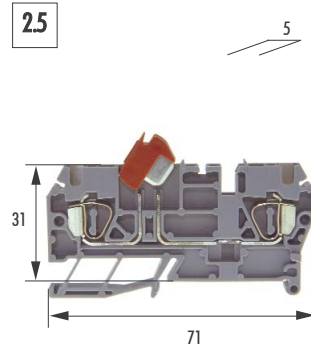


PA 66



- Springs of stainless steel
- Connecting bars and knife of nickel-plated brass
- Marking with label or marking strip
- Easy introduction of strands of the nominal cross-section even without end sleeves
- Use funnel-shaped cable entrances for introducing wires and strands with smaller cross-sections
- Insulated, recessed and separable cross-junction racks for 10 terminals
- Disconnecting knife can be locked in open position

2.5



Never handle knife when live!



Article numbers

Ratings	0.2-2.5 mm ² 800V/15A	26-12 AWG 600V/15A		
grey	35350/3TM			










Technical data

Strip insulation	mm	10		
Packing unit	pcs.	25		



Accessories see pages 1.3.29 to 1.3.42

Test adaptors		80247 80248			
Marking cards on top		RB/5x9 RB/5x12	1 label 1 label		
Marking strips on top and at both narrow sides		35455/09BS 35455/15BS	(3 strips)		
Marking adaptor		35455/59T			
Partition and end barrier		35341/3			
End retainer		35445			
Cross-junction racks grey blue red		35425/05 35425/05BL 35425/05RO			
Bridge to cross-junction racks		35425/05BR			
Funnel-shaped cable entrance for 0.2 mm ² conductor, white for 0.5 mm ² conductor, grey for 1 mm ² conductor, black		35435/302 35435/305 35435/310			

Disconnecting spring clamp terminal

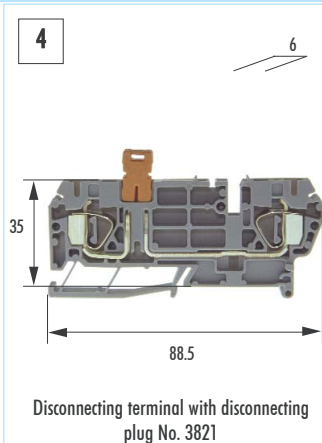
4 mm², for disconnecting plugs, fuse, diode and component plugs



PA 66



- Springs of stainless steel
- Connecting bars of tinned copper
- Wrap connection parts of nickel-plated brass
- Marking with label or marking strip
- Easy introduction of strands of the nominal cross-section even without end sleeves
- Use funnel-shaped cable entrances for introducing wires and strands with smaller cross-sections
- Insulated, recessed and separable cross-junction racks for 10 terminals



Never handle plug when live!

delivered without plug



Article numbers

Ratings	0.5-4 mm ² 800V/20A	22-10 AWG 600V/15A		
grey	35390/4TS			



Technical data

Strip insulation	mm	12		
Packing unit	pcs.	25		



Accessories see pages 1.3.29 to 1.3.42

Test adaptors		80247 80248			
Marking cards on top		RB/6x9 RB/6x12	1 label 1 label		
Marking strips on top and at both narrow sides		35455/09BS 35455/15BS	(3 strips)		
Marking adaptor		35455/69T			
Partition and end barrier		35341/4			
End retainer		35445			
Cross-junction racks black		35425/06			
Bridge to cross-junction racks		35425/06BR			
Funnel-shaped cable entrance for 0.5 mm ² conductor, grey for 1.5 mm ² conductor, black		35435/405 35435/415			
Disconnecting plug		3821			
Fuse plugs					
- without indicator		30134			
- with LED 24V		30134/24			
- with LED 230V		30134/230			
Diode plug		30133			
Diode plug		30205			
Component plug equipped acc. to customer's request		30132			

Order disconnecting plugs, fuse plugs, diode plugs and component plugs separately!

Spring clamp fuse terminals

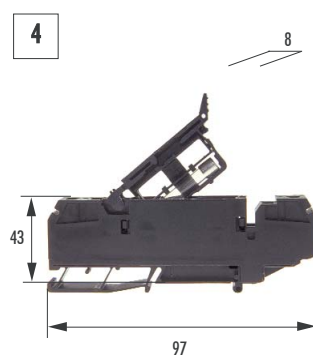
4 mm², for fuses 5x20 mm



PA 66



- Springs of stainless steel
- Metal parts of nickel-plated copper
- Terminal closed on all sides
- Marking with label or marking strip
- Easy introduction of strands of the nominal cross-section even without end sleeves
- Use funnel-shaped cable entrances for introducing wires and strands with smaller cross-sections
- Insulated, recessed and separable cross-junction racks for 10 terminals
- Fuse-carrier locked in open position
- Available with LED 24V or 230V



Never handle fuse carrier when live!

Additional information:

- With LEDs to indicate damaged fuse
- An easy breakable peg at the bottom part enables two fuse-holders to be joined together
- In a single fuse terminal, a heavier load is possible than in a block of several fuse terminals strung together that heat each other up. This source of heat has to be taken into account when planning.



Article numbers

Ratings	0.5-4 mm ² 500V	22-10 AWG 300V	0.5-4 mm ² 500V	22-10 AWG 300V	0.5-4 mm ² 500V	22-10 AWG 300V
	without indicator (delivered without fuse)		with indicator LED 24V for fuse 24V (delivered without fuse)		with indicator LED 230V for fuse 250V (delivered without fuse)	
black	35490/4		35490/424		35490/4250	



Technical data

Strip insulation	mm	12	12	12
max. rated current (fuse)	A	6.3	6.3	6.3
Operating voltage	V		10-57V AC/DC	85-264V AC
Packing unit	pcs.	25	25	25



Accessories see pages 1.3.29 to 1.3.42

Test adaptors		80247 80248		80247 80248		80247 80248	
Marking cards at both narrow sides and on the fuse-carrier		RB/8x9 RB/8x12	3 labels 3 labels	RB/8x9 RB/8x12	3 labels 3 labels	RB/8x9 RB/8x12	3 labels 3 labels
Marking strips at both narrow sides		35455/09BS	(2 strips)	35455/09BS	(2 strips)	35455/09BS	(2 strips)
End retainer		35445		35445		35445	
Cross-junction racks black		35425/08		35425/08		35425/08	
Bridge to cross-junction racks		35425/06BR		35425/06BR		35425/06BR	
Funnel-shaped cable entrance for 0.5 mm ² conductor, grey for 1.5 mm ² conductor, black		35435/405 35435/415		35435/405 35435/415		35435/405 35435/415	

Spring clamp fuse terminals

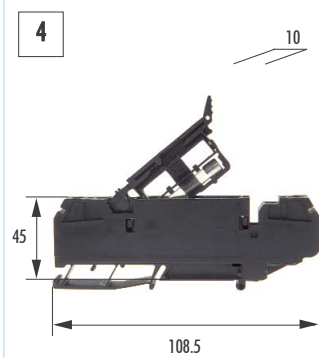
4 mm², for fuses 1/4"x 1 1/4" (6.3x32mm)



PA 66



- Springs of stainless steel
- Metal parts of nickel-plated copper
- Terminal closed on all sides
- Marking with label or marking strip
- Easy introduction of strands of the nominal cross-section even without end sleeves
- Use funnel-shaped cable entrances for introducing wires and strands with smaller cross-sections
- Insulated, recessed and separable cross-junction racks for 10 terminals
- Fuse-carriers locked in open position
- Available with LED 24V or 230V



Never handle fuse carriers when live!

Additional information:

- With LEDs to indicate damaged fuse
- An easy breakable peg at the bottom part enables two fuse-holders to be joined together

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



Article numbers

Ratings	0.5-4 mm ² 500V	22-10 AWG 300V	0.5-4 mm ² 500V	22-10 AWG 300V	0.5-4 mm ² 500V	22-10 AWG 300V
	without indicator (delivered without fuse)		with indicator LED 24V for fuse 24V (delivered without fuse)		with indicator LED 230V for fuse 250V (delivered without fuse)	
black	35495/4		35495/424		35495/4250	



Technical data

Strip insulation	mm	12	12	12
max. rated current (fuse)	A	12	12	12
Operating voltage	V		10-57V AC/DC	85-264V AC
Packing unit	pcs.	25	25	25

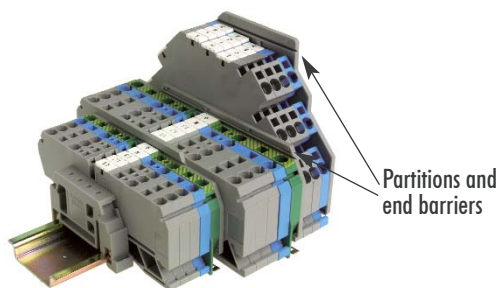


Accessories see pages 1.3.29 to 1.3.42

Test adaptors		80247 80248		80247 80248		80247 80248	
Marking cards at both narrow sides and on the fuse-carrier		RB/8x9 RB/8x12	4 labels 4 labels	RB/8x9 RB/8x12	4 labels 4 labels	RB/8x9 RB/8x12	4 labels 4 labels
Marking strips at both narrow sides		35455/09BS	(2 strips)	35455/09BS	(2 strips)	35455/09BS	(2 strips)
End retainer		35445		35445		35445	
Cross-junction racks grey blue red (cut out every second pin)		35425/05 35425/05BL 35425/05RO		35425/05 35425/05BL 35425/05RO		35425/05 35425/05BL 35425/05RO	
Bridge to cross-junction racks		35425/05BR		35425/05BR		35425/05BR	
Funnel-shaped cable entrance for 0.5 mm ² conductor, grey for 1.5 mm ² conductors, black		35435/405 35435/415		35435/405 35435/415		35435/405 35435/415	

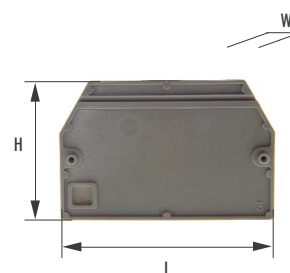
Accessories	pages 1.3.30 to 1.3.42
Partitions and end barriers	pages 1.3.30+1.3.31
End retainer	page 1.3.31
Cross-junction racks and accessories	page 1.3.32
Funnel-shaped cable entrance	page 1.3.33
Female connectors and protection against accidental contact for transit terminal	page 1.3.34
Test adaptors	page 1.3.34
Disconnecting plugs and component plugs	page 1.3.35
Diode plugs and fuse plugs	page 1.3.36
Marking accessories	pages 1.3.37-1.3.39
Rails and accessories	pages 1.3.40-1.3.42

Partitions and end barriers



Partitions and end barriers

For partitions and end barriers, only one article is offered here. It can be transformed from a partition to an end barrier by breaking off a part at the predetermined breaking point.



Partitions and end barriers to spring clamp terminals

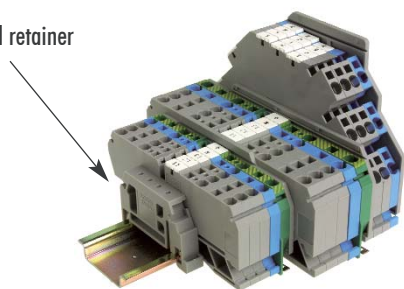
Article number	Illustration	Technical data	for terminals
35311/3		of polyamide 66, grey Packing unit: 50 pcs. W=2mm, L=54.1mm, H=35.7mm	Spring clamp terminals and grounded connection terminals with 2 clamps 2.5mm ² series 35310/3
35311/4		of polyamide 66, grey Packing unit: 50 pcs. W=2mm, L=64.5mm, H=39.2mm	Spring clamp terminals and grounded connection terminals with 2 clamps 4mm ² series 35310/4 and 6mm ² series 35310/6
35311/10		of polyamide 66, grey Packing unit: 50 pcs. W=2mm, L=73.5mm, H=42mm	Spring clamp terminals and grounded connection terminals with 2 clamps 10mm ² series 35310/10
35311/16		of polyamide 66, grey Packing unit: 100 pcs. W=2mm, L=82.5mm, H=43mm	Spring clamp terminals and grounded connection terminals with 2 clamps 16mm ² series 35310/16
35321/3		of polyamide 66, grey Packing unit: 25 pcs. W=2mm, L=107.3mm, H=47.2mm	Two-step spring clamp terminals 2.5mm ² series 35320/3
35321/4		of polyamide 66, grey Packing unit: 25 pcs. W=2mm, L=87mm, H=66mm	Two-step spring clamp terminals 4mm ² series 35320/4
35331/2		of polyamide 66, grey Packing unit: 100 pcs. W=2mm, L=58.7mm, H=35.7mm	Spring clamp terminals with 3 clamps 1.5mm ² series 35330/2
35341/3		of polyamide 66, grey Packing unit: 25 pcs. W=2mm, L=88.1mm, H=35.7mm	Spring clamp terminals and grounded connection terminals with 3 clamps 2.5mm ² series 35330/3 Spring clamp terminals and grounded connection terminals with 4 clamps 2.5mm ² series 35340/3 Knife disconnecting terminal Art. No. 35350/3TM Disconnecting transit terminal 35470/3SV
35341/4		of polyamide 66, grey Packing unit: 25 pcs. W=2mm, L=109.5mm, H=39.2mm	Spring clamp terminals and grounded connection terminals with 3 clamps 4mm ² series 35330/4, 6mm ² series 35330/6, with 4 clamps 4mm ² series 35340/4, spring clamp terminals with 2 cross-connections 4mm ² series 35360/4, disconn. spring clamp terminal 35390/4TS



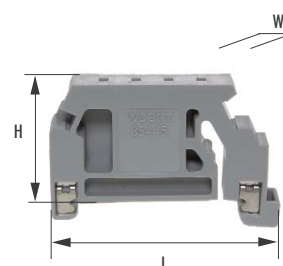
Partitions and end barriers to spring clamp terminals

Article number	Illustration	Technical data	for terminals
35371/2		of polyamide 66, grey Packing unit: 25 pcs. W=2mm, L=96mm, H=45mm	Spring clamp terminals for proximity switches 1.5mm ² with 4 terminals, with 5 terminals and ground connection series 35370/2
35401/2		of polyamide 66, grey Packing unit: 50 pcs. W=2mm, L=109mm, H=72mm	Three-step spring clamp terminals 1.5mm ² series 35400/2
35411/2		of polyamide 66, grey Packing unit: 25 pcs. W=2mm, L=111mm, H=62mm	Three-step spring clamp terminals 1.5mm ² with ground connection series 35410/2

End retainer



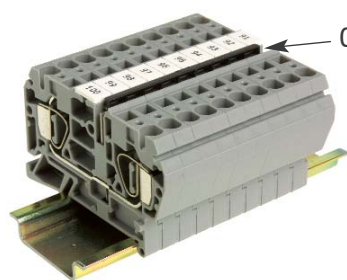
The end barrier can be snapped on to mounting rails EN 60715 TH 35.
For marking with 2 marking labels RB/8x9.



End retainers for spring clamp terminals

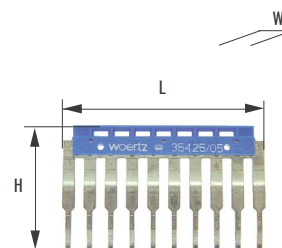
35445		of polyamide 66, grey Packing unit: 50 pcs. W=8mm, L=45.2mm, H=23.5mm	Spring clamp terminals 1.5mm ² to 16mm ²

Cross-junction racks and accessories



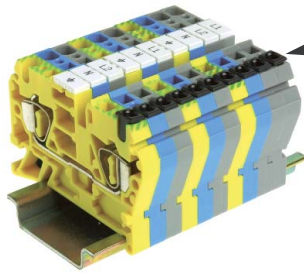
Cross-junction rack

Cross-junction racks can be cut to any desired length with a cutting tool. When they are inserted into a terminal series, at the top, the cross-connection is aligned to the terminal series, and the 12mm long marking labels or the 15mm wide marking strips are above it.



Cross-junction racks and bridges to spring clamp terminals

Article number	Illustration	Technical data	for terminals
grey 35425/05 blue 35425/05BL red 35425/05RO		Cross-junction racks 10-part, insulated Packing unit: 10 pcs. W = 1mm, L = 47.8mm, H (leg length) = 29.7mm	Spring clamp terminals with 2 clamps 2.5mm ² series 35310/3 Spring clamp terminals with 3 clamps 1.5mm ² series 35330/2 Spring clamp terminals with 3 clamps 2.5mm ² series 35330/3 Spring clamp terminals with 4 clamps 2.5mm ² series 35340/3 Two-step spring clamp terminals 2.5mm ² series 35320/3 Spring clamp terminals for proximity switches 1.5mm ² series 35370/2 Three-step spring clamp terminals 1.5mm ² series 35400/2 Disconnecting transit terminal 2.5mm ² Art. No. 35470/3SV Spring clamp knife disconnecting terminal 2.5mm ² Art. No. 35350/3TM Spring clamp fuse terminals 4mm ² series 35495/4
grey 35425/05BR		Bridge to cross-junction racks 35425/05 for connecting two adjacent cross-junction racks delivered as strips with 10 pcs.	Disconnecting spring clamp terminal 2.5mm ² series 35370/2 Three-step spring clamp terminals 1.5mm ² series 35400/2
black 35425/06		Cross-junction racks 10-part, insulated Packing unit: 10 pcs. W = 1.7mm, L = 58mm, H (leg length) = 33.2mm	Spring clamp terminals with 2 clamps 4mm ² , s. 35310/4 Spring clamp terminals with 3 clamps 4mm ² , s. 5330/4 Spring clamp terminals with 4 clamps 4mm ² , s. 35340/4 Spring clamp terminal with 2 cross-connections 4mm ² series 35360/4 Two-step spring clamp terminals 4mm ² series 35320/4 Three-step spring clamp terminals 1.5mm ² with ground connection series 35410/2 Disconnecting spring clamp terminal 4mm ² Art. No. 35390/4TS
black 35425/06BR		Bridge to cross-junction racks 35425/06 and 35425/08 for connecting two adjacent cross-junction racks delivered as strips with 10 pcs.	
black 35425/08		Cross-junction racks 10-part, insulated Packing unit: 10 pcs. W = 2.3mm, L = 77.6mm, H (leg length) = 33.2mm	Spring clamp terminals with 2 clamps 6mm ² series 35310/6 Spring clamp terminals with 3 clamps 6mm ² series 35330/6 Spring clamp fuse terminals 4mm ² series 35490/4
black 35425/06BR		Bridge to cross-junction racks 35425/06 and 35425/08 for jumpering two adjacent cross-junction racks delivered as strips with 10 pcs.	
black 35425/10		Insulated cross-connector 2-part for vertically shifted jumpering of adjacent terminals Packing unit: 50 pcs.	Spring clamp terminals with 2 clamps 10mm ² series 35310/10
black 35425/12		Insulated cross-connector 2-part for vertically shifted jumpering of adjacent terminals Packing unit: 50 pcs.	Spring clamp terminals with 2 clamps 16mm ² series 35310/16










Funnel-shaped cable entrance

Funnel-shaped cable entrances are inserted when conductors, whose cross-sections are smaller than the nominal cross-section of the terminals, are used.



Funnel-shaped cable entrances to spring clamp terminals

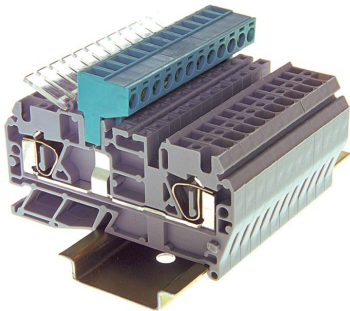
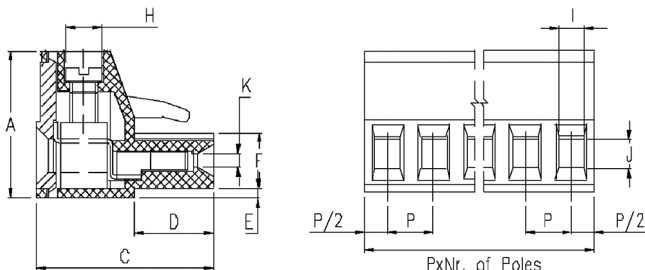
Article number	Illustration	Technical data	for terminals
35435/302		for 0.2 mm ² conductor of thermosetting plastic, white delivered as divisible strips with 10 pcs.	Spring clamp terminals, grounded conductor terminals with 2 clamps 2.5mm ² series 35310/3 with 3 clamps 1.5mm ² series 35330/2 and 2.5mm ² series 35330/3 with 4 clamps 2.5mm ² series 35340/3 Two-step spring clamp terminals 2.5mm ² series 35320/3 Spring clamp terminals for proximity switches 1.5mm ² series 35370/2 Three-step spring clamp terminals 1.5mm ² series 35400/2 Three-step spring clamp terminals with ground connection 1.5mm ² series 35410/2 Disconnecting transit terminal 2.5mm ² Art. No. 35470/3SV Spring clamp knife disconnecting terminal 2.5mm ² Art. No. 35350/3TM
35435/305		for 0.5 mm ² conductor of thermosetting plastic, grey delivered as divisible strips with 10 pcs.	
35435/310		for 1 mm ² conductor of thermosetting plastic, black delivered as divisible strips with 10 pcs.	
35435/405		for 0.5 mm ² conductor of thermosetting plastic, grey delivered as divisible strips with 10 pcs.	Spring clamp terminals, grounded connection terminals with 2 clamps 4mm ² series 35310/4 with 3 clamps 4mm ² series 35330/4 with 4 clamps 4mm ² series 35340/4 Spring clamp terminal with 2 cross-connections series 35360/4
35435/415		for 1.5 mm ² conductor of thermosetting plastic, black delivered as divisible strips with 10 pcs.	Two-step spring clamp terminals 4mm ² series 35320/4 Disconnecting spring clamp terminal 4mm ² series 35390/4TS Spring clamp fuse terminals 4mm ² series 35490/4 Spring clamp fuse terminals 4mm ² series 35495/4
35435/605		for 0.5 mm ² conductor of thermosetting plastic, grey delivered as divisible strips with 10 pcs.	Spring clamp terminals and grounded connection terminals with 2 clamps 6mm ² series 35310/6 with 3 clamps 6mm ² series 35330/6
35435/615		for 1.5 mm ² conductor of thermosetting plastic, black delivered as divisible strips with 10 pcs.	

Female connectors and protection against contact for transit terminal

Test adaptors


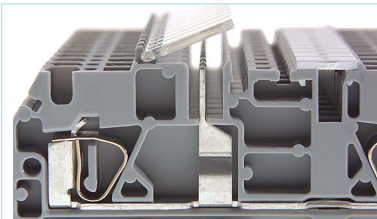


Female connectors to disconnecting transit terminal

Article number	Illustration	Technical data																				
31251H/002 31251H/003 31251H/004 31251H/005 31251H/006 31251H/007 31251H/008 31251H/009 31251H/010 31251H/011 31251H/012	 	<p>Female connectors to transit terminal, 2.5mm², grid 5.08mm, 250V/12A. Pole numbers from 2 to 12.</p> <table><tr><td>A</td><td>15.50</td><td>H</td><td>3.80</td></tr><tr><td>C</td><td>18.80</td><td>I</td><td>2.80</td></tr><tr><td>D</td><td>8.30</td><td>J</td><td>3.10</td></tr><tr><td>E</td><td>1.00</td><td>K</td><td>1.80</td></tr><tr><td>F</td><td>5.70</td><td>P</td><td>5.08</td></tr></table>	A	15.50	H	3.80	C	18.80	I	2.80	D	8.30	J	3.10	E	1.00	K	1.80	F	5.70	P	5.08
A	15.50	H	3.80																			
C	18.80	I	2.80																			
D	8.30	J	3.10																			
E	1.00	K	1.80																			
F	5.70	P	5.08																			





Protection against accidental contact for transit terminal

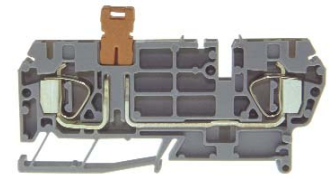
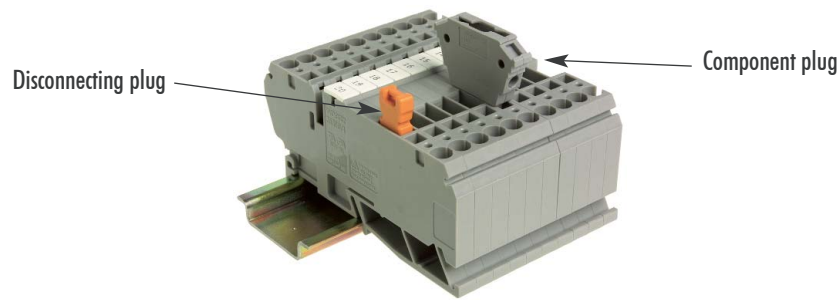
35475/3A		<p>for contact pin, transparent, 24-part, breakable Cover contact pin when female connector is removed. Stick transparent protection against contact between the 2 cams on top of the terminal and fold them.</p> 
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Test adaptors

Article number	Illustration	Technical data	for terminals
80247		<p>Test plug Ø 2.3mm, with contact strips, of gold-plated brass. With strand 0.5mm² soldered in and insulated socket for banana plug Ø 4mm, protected against accidental contact. With red insulating sleeve. Packing unit: 10 pcs</p>	<p>for all spring clamp terminals except the following ones: Spring clamp terminal 1.5mm² series 35330/2 Three-step spring clamp terminal 1.5mm² series 35400/2 Three-step spring clamp terminal with ground connection 1.5mm² series 35410/2</p>
80248		<p>Test plug Ø 2.3mm, with contact strips, of gold-plated brass. With strand 0.5mm² soldered in and insulated socket for banana plug Ø 4mm, protected against accidental contact. With black insulating sleeve. Packing unit: 10 pcs</p>	

Disconnecting plugs and component plugs




Disconnecting plug

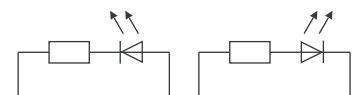
Article number	Illustration	Technical data	for terminals
3821		separate, orange  800V 20A  600 V 20A  600 V 20A Packing unit: 25 pcs. Never handle plug when live!	Disconnecting spring clamp terminal 4mm ² Art. No. 35390/4TS



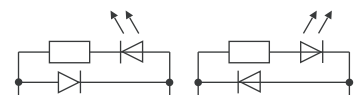
Component plugs

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 spring clamp terminal 4mm ² Art. No. 35390/4TS
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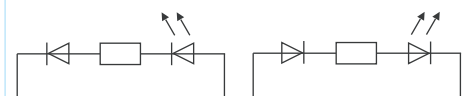
Example 1:
with red light emitting diode \varnothing 3mm
and with resistor



Example 2:
with red light emitting diode \varnothing 3mm
with resistor and with protective diode 1N 4007 mounted in parallel.
Application: voltage indication for relay with freewheel diode








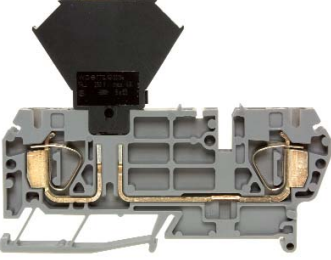




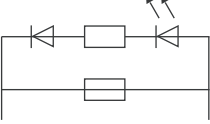










Example 3:
with light emitting diode \varnothing 3mm, red
with resistor and with protective diode 1N 4007
for alternating voltage



Example 4:
with glow lamp for voltage indication and with resistor



Diode plug and fuse plugs

<div>Diode plug</div>			
Article number	Illustration	Technical data	for terminals
30133		separate, grey Can be attached to terminal only in one direction. Marking facilities on both sides with labels RB/5x5 with mounted diode (Ta=25°C) Maximum reverse voltage: 1000V Maximum continuous current: 0.7A (terminals arranged in array, used continuously) Maximum surge current: 30A Voltage drop across diode: ~ 0.8V (max. 1.1V) Leakage current: <10µA (diode series 1N 4007)	Disconnecting spring clamp terminal 4mm² Art. No. 35390/4TS
30205		Mind marking on top of the plug. Never handle plug when live!	
			
			
<div>Fuse plugs</div>			
		separate, black Can be attached to terminal only in one direction. available with LED 24V or with LED 230V to indicate damaged fuse. 3-figure marking on both sides with labels 3957/., 3958/. or RB/6x9 The fuse plugs are delivered without fuses. Never handle plug when live!	Disconnecting spring clamp terminal 4mm² Art. No. 35390/4TS
30134		Art. No. 30134 without LED  250V max. 4A, for fuse 5x20mm, 6.3A  300 V 10A  300 V 10A	
without indicator			
30134/24		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.	
with indicator with LED 24V			
			
30134/230		Art. No. 30134/230 AC: 80-250V / DC: 40-125V / Leakage curr.: 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.	
with indicator with LED 230V			
			

Marking accessories

Marking cards type RB

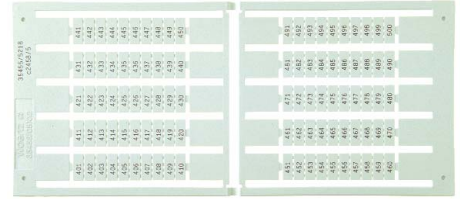
For marking of 5, 6 or 8mm-wide terminals. Marking cards of polyamide 66, white, with 100 labels per card, printed black (see table below).

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 on page 1.3.38).
Individual terminal marking with **Winscript** (see brochure 1.1 "Screw Terminals" 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
$\frac{1}{\equiv}$		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 0)		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

Marking cards printed according to your choice

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

Address

Billing address: (if different from shipping address)	Shipping address:
Company:	Customer number:
Address:	Company:
ZIP code/city:	Address:
Tel.:	ZIP code/city:
Fax:	Tel.:
Contact person:	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.
<input type="checkbox"/>	RB/5x5	35455/05S05	5 x 5 mm	3-figure vertically / 3-figure horizontally
<input type="checkbox"/>	RB/5x9	35455/05S09	5 x 9 mm	6-figure vertically / 3-figure horizontally
<input type="checkbox"/>	RB/5x12	35455/05S12	5 x 12 mm	9-figure vertically / 3-figure horizontally
<input type="checkbox"/>	RB/6x9	35455/06S09	6 x 9 mm	6-figure vertically / 4-figure horizontally
<input type="checkbox"/>	RB/6x12	35455/06S12	6 x 12 mm	9-figure vertically / 4-figure horizontally
<input type="checkbox"/>	RB/8x9	35455/08S09	8 x 9 mm	6-figure vertically / 6-figure horizontally
<input type="checkbox"/>	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	<div></div>	6	<div></div>
4	<div></div>	7	<div></div>
3	<div></div>	8	<div></div>
2	<div></div>	9	<div></div>
1	<div></div>	10	<div></div>

Printing example

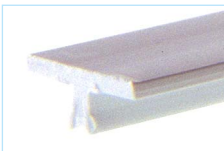
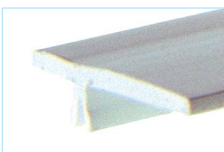
1	L1	L2	L3	150	250	350			A-10
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Marking strips and marking adaptors

Marking strips for inserting into spring clamp terminals either on top or on the two narrow sides of the terminals.
Can be divided with cutting tool.





Marking strips

Article number	Illustration	Technical data	for terminals
35455/09BS		of thermosetting plastic, white, unprinted Length of strips: 240mm Printable area: 9 mm high Packing unit: 25 pcs.	for all spring clamp terminals
35455/15BS		of thermosetting plastic, white, unprinted Length of strips: 240mm Printable area: 15 mm high Packing unit: 25 pcs.	for all spring clamp terminals except spring clamp terminals 1.5mm ² Art. No. 35330/2 and spring clamp fuse terminals 4mm ² Art. No. 35490, 35495



Marking adaptor

Height above terminals: 4.4 mm

35455/59T		Adaptor for labels 5 x 9 mm, grey For clipping on to the slots in the 5mm wide terminals for continuous marking strips when 1 label RB 5x9 should be attached instead. W=4.9mm, L=9.5mm Packing unit: 100 pcs.	to 5mm wide spring clamp terminals with slots
35455/69T		Adaptor for labels 6 x 9 mm, grey For clipping on to the slots in the 6mm wide terminals for continuous marking strips when 1 label RB 6x9 should be attached instead. W=5.9mm, L=9.5mm Packing unit: 100 pcs.	to 6mm wide spring clamp terminals with slots

Rails and accessories



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 16mm ² Made in lengths of 2m, weight 325 g/m
3401/L			Galvanized bored 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 16mm ² 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 16mm ² 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 50mm ² Made in lengths of 2m, weight 925 g/m
3490/L			Galvanized bored 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 50mm ² 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 150mm ² 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 35mm ² Made in lengths of 2m, weight 260 g/m
80291/2M			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=116.7mm Corresponds to the thermal resistance to short-circuits of a Cu conductor of 85mm ²
80291/3M			80291/3M Made in lengths of 3m, weight 379 g/m
80291/6M			80291/6M Made in lengths of 6m, weight 379 g/m

Accessories to mounting rails according to EN 60715 TH 35



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.
80064			80063 for cables \varnothing 6-9mm W=10mm Packing unit: 100 pcs
80065			80065 for cables \varnothing 12-16mm W=18mm Packing unit: 25 pcs
80066			80064 for cables \varnothing 9-12mm W=14mm Packing unit: 100 pcs
			80066 for cables \varnothing 16-20mm W=22mm Packing unit: 25 pcs



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 \varnothing 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 \varnothing 3.5mm. Packing unit: 100 pcs




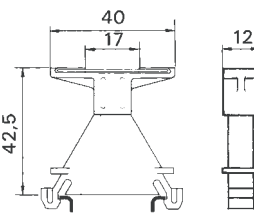
Supporting studs for covers

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

Accessories to mounting rails according to EN 60715 TH 35


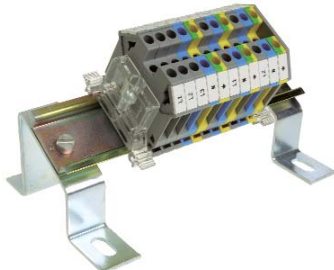


Label carrier for group marking

Article number	Illustration	Dimension illustration	Technical data
3459			<p>of polyamide 66, grey, halogen-free to mounting rails according to EN 60715TH35 with label 10x37mm of PVC, white</p> <p>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 \varnothing 2.9x9.5mm</p> <p>Packing unit: 100 pcs</p>



Mounting bracket

80360/30			<p>of sheet steel, 2 mm, zinc-plated 89mm long, 20 mm wide, 48mm high bent 30° with M6 thread for clear arrangement of terminals</p> <p>Packing unit: 10 pcs.</p>

STANDARD CROSS SECTIONS OF ROUND COPPER CONDUCTORS

Rated cross section mm ² AWG/MCM				Rated cross section mm ² AWG/MCM				Rated cross section mm ² AWG/MCM			
0.2	mm ²			16	mm ²			127	mm ²	250	MCM
0.33	mm ²	22	AWG	21.1	mm ²	4	AWG	150	mm ²		
0.5	mm ²			25	mm ²			152	mm ²	300	MCM
0.513	mm ²	20	AWG	26.7	mm ²	3	AWG	177	mm ²	350	MCM
0.75	mm ²			33.6	mm ²	2	AWG	185	mm ²		
0.82	mm ²	18	AWG	35	mm ²			203	mm ²	400	MCM
1.0	mm ²			42.4	mm ²	1	AWG	240	mm ²		
1.31	mm ²	16	AWG	50	mm ²			253	mm ²	500	MCM
1.5	mm ²			53.5	mm ²	0	AWG	304	mm ²	600	MCM
2.08	mm ²	14	AWG	67.4	mm ²	00	AWG	355	mm ²	700	MCM
2.5	mm ²			70	mm ²			380	mm ²	750	MCM
3.31	mm ²	12	AWG	85	mm ²	000	AWG	405	mm ²	800	MCM
4	mm ²			95	mm ²			456	mm ²	900	MCM
5.26	mm ²	10	AWG	107	mm ²	0000	AWG	507	mm ²	1000	MCM
6	mm ²			120	mm ²			634	mm ²	1250	MCM
8.37	mm ²	8	AWG					760	mm ²	1500	MCM
10	mm ²							887	mm ²	1750	MCM
13.3	mm ²	6	AWG					1014	mm ²	2000	MCM

