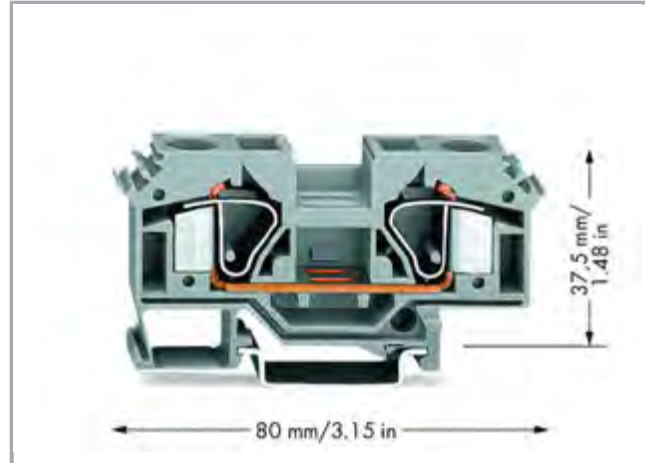


**Data sheet | Item number: 283-601**

2-conductor through terminal block; 16 mm<sup>2</sup>; lateral marker slots; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 16,00 mm<sup>2</sup>; gray



**Data**

**Electrical data**

**Ratings per IEC/EN 60664-1**

Ratings per	IEC/EN 60947-7-1
Nominal voltage (III/3)	800 V
Rated surge voltage (III/3)	8 kV
Rated current	76 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

**Connection data**

Connection technology	CAGE CLAMP®
Actuation type	Operating tool
Connectable conductor materials	Copper
Solid conductor	0.2 ... 16 mm <sup>2</sup> / 24 ... 6 AWG
Fine-stranded conductor	0.2 ... 16 mm <sup>2</sup> / 24 ... 6 AWG

Subject to changes. Please also observe the further product documentation!



Strip length	16 ... 17 mm / 0.63 ... 0.67 inch
Total number of connection points	2
Total number of potentials	1
Number of levels	1
Wiring type	Front-entry wiring

### Geometrical Data

Width	12 mm / 0.472 inch
Height from upper-edge of DIN-rail	37.5 mm / 1.476 inch
Depth	80 mm / 3.15 inch

### Mechanical data

Design	horizontal type
Mounting type	DIN-35 rail
Marking level	Side marking

### Material Data


Color	gray
Insulation material	Polyamide 66 (PA66)
Fire load	0.467 MJ
Weight	31.8g

### Commercial data

Product Group	1 (Rail Mounted Terminal Blocks)
Packaging type	BOX
Country of origin	CN
GTIN	4050821413134
Customs tariff number	85369010000

### Approvals / Certificates

#### Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 60947	NTR NL- 7456/A1

Subject to changes. Please also observe the further product documentation!



CSA  
DEKRA Certification B.V.

C22.2 No. 158

1536072







KEMA/KEUR  
DEKRA Certification B.V.


EN 60947

2187239.03

### Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>ABS</b> American Bureau of Shipping	-	20- HG1941090- PDA
	<b>BV</b> Bureau Veritas S.A.	EN 60947	07436/E0 BV
	<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	-	TAE00001V2
	<b>LR</b> Lloyds Register	EN 60947	91/20112 (E9)

### UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>UR</b> Underwriters Laboratories Inc.	UL 1059	E45172

### Compatible products

Subject to changes. Please also observe the further product documentation!

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**Protective Warning Marker**
**Item no.: 283-415**

Protective warning marker; with high-voltage symbol, black; for 5 terminal blocks; yellow

**check****Item no.: 283-404**

Test plug adapter; 11.6 mm wide; for 4 mm Ø test plugs; gray

**End plate****Item no.: 283-327**

Separator plate; 2 mm thick; oversized; orange

**Item no.: 283-334**

Step-down cover plate; 1 mm thick; only for 2-conductor 283-601 terminal block; gray

**Item no.: 283-336**

Step-down cover plate; 1 mm thick; only for 2-conductor 283-601 terminal block; orange

**Item no.: 283-337**

Separator plate; 2 mm thick; oversized; gray

**Carrier rail****Item no.: 210-112**

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm

**Item no.: 210-113**

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715

**Item no.: 210-114**

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715

**Item no.: 210-115**

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm

**Item no.: 210-118**

Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715

**Item no.: 210-196**

Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored

**Item no.: 210-197**

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715

**Item no.: 210-198**

Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored

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 Subject to changes. Please also observe the further product documentation!
 

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**Item no.: 210-504**  
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715



**Item no.: 210-505**  
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715



**Item no.: 210-506**  
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715



**Item no.: 210-508**  
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715

**assembling**



**Item no.: 209-106**  
Mounting carrier; for isolated mounting on DIN 35 rails; gray



**Item no.: 249-116**  
Screwless end stop; 6 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray



**Item no.: 709-154**  
Cover; Type 2; suitable for cover carrier, type 2; 1 m long; transparent

**protection**



**Item no.: 283-400**  
Finger guard; touchproof cover protects unused conductor entries; yellow

**Jumper**



**Item no.: 283-402**  
Jumper; insulated; gray



**Item no.: 283-409**  
Jumper; insulated; gray



**Item no.: 283-414**  
Step-down jumper; insulated; gray



**Item no.: 283-422**  
Jumper; insulated; yellow-green



**Item no.: 285-435**  
Jumper; insulated; gray

**Marking accessories**



**Item no.: 2009-115**  
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

















**Item no.: 2009-115/000-002**  
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow



**Item no.: 2009-115/000-006**  
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue

Subject to changes. Please also observe the further product documentation!

	<b>Item no.: 2009-115/000-007</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray
	<b>Item no.: 2009-115/000-012</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange
	<b>Item no.: 2009-115/000-017</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; light green
	<b>Item no.: 2009-115/000-023</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green
	<b>Item no.: 2009-115/000-024</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet
	<b>Item no.: 209-185</b> Adaptor; gray
	<b>Item no.: 249-105</b> Group marker carrier; gray
	<b>Item no.: 793-501</b> WMB marking card; as card; not stretchable; plain; snap-on type; white
	<b>Item no.: 793-501/000-002</b> WMB marking card; as card; not stretchable; plain; snap-on type; yellow
	<b>Item no.: 793-501/000-005</b> WMB marking card; as card; not stretchable; plain; snap-on type; red
	<b>Item no.: 793-501/000-006</b> WMB marking card; as card; not stretchable; plain; snap-on type; blue
	<b>Item no.: 793-501/000-007</b> WMB marking card; as card; not stretchable; plain; snap-on type; gray
	<b>Item no.: 793-501/000-012</b> WMB marking card; as card; not stretchable; plain; snap-on type; orange
	<b>Item no.: 793-501/000-017</b> WMB marking card; as card; not stretchable; plain; snap-on type; light green

Subject to changes. Please also observe the further product documentation!



**Item no.: 793-501/000-023**  
WMB marking card; as card; not stretchable; plain; snap-on type; green



**Item no.: 793-501/000-024**  
WMB marking card; as card; not stretchable; plain; snap-on type; violet



**Item no.: 793-5501**  
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white



**Item no.: 793-5501/000-002**  
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; yellow



**Item no.: 793-5501/000-005**  
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; red



**Item no.: 793-5501/000-006**  
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; blue



**Item no.: 793-5501/000-007**  
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; gray



**Item no.: 793-5501/000-012**  
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; orange



**Item no.: 793-5501/000-017**  
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; green



**Item no.: 793-5501/000-023**  
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; light green



**Item no.: 793-5501/000-024**  
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; violet

**tools**



**Item no.: 210-721**  
Operating tool; Blade: 5.5 x 0.8 mm; with a partially insulated shaft

**ferrule**



**Item no.: 216-108**  
Ferrule; Sleeve for 6 mm<sup>2</sup> / AWG 10; uninsulated; electro-tin plated



**Item no.: 216-109**  
Ferrule; Sleeve for 10 mm<sup>2</sup> / AWG 8; uninsulated; electro-tin plated

Subject to changes. Please also observe the further product documentation!



**Item no.: 216-284**

Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



**Item no.: 216-286**

Ferrule; Sleeve for 2.5 mm<sup>2</sup> / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue



**Item no.: 216-287**

Ferrule; Sleeve for 4 mm<sup>2</sup> / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



**Item no.: 216-288**

Ferrule; Sleeve for 6 mm<sup>2</sup> / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow



**Item no.: 216-289**

Ferrule; Sleeve for 10 mm<sup>2</sup> / AWG 8; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red

**potential distribution**



**Item no.: 283-407**

Power tap; with 500 mm cable; for 16 mm<sup>2</sup> (283/783 Series) and 35 mm<sup>2</sup>; gray

**Downloads**

**Documentation**

**Additional Information**

Technical explanations

**CAD/CAE-Data**

**CAD data**

2D/3D Models 283-601

**CAE data**

EPLAN Data Portal 283-601

WSCAD Universe 283-601

ZUKEN Portal 283-601

**Installation Notes**

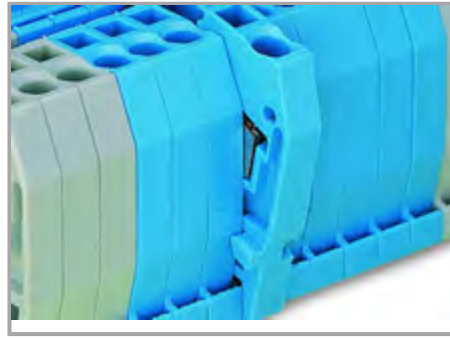
**Installation**

Subject to changes. Please also observe the further product documentation!





Snapping a terminal block onto the carrier rail.



Quick assembly keys prevent reverse mounting.



Removing a terminal block from the assembly.



Steel carrier rails are not suited for PEN (ground and N-conductor) applications per EN 60947-7-2 (VDE 0611, Part 3).

#### Conductor termination



#### CAGE CLAMP® connection

Inserting a conductor.

Subject to changes. Please also observe the further product documentation!



CAGE CLAMP® connection



CAGE CLAMP® connection  
Removing a conductor.

Inserting a conductor.

With ferruled conductors, it is necessary to use a terminal block one size larger than the conductor's nominal cross-section.

#### Commoning



Commoning using an adjacent jumper (280-402) and alternate jumper (280-409). Push jumper down until fully inserted.

#### Cover

Subject to changes. Please also observe the further product documentation!



Protective warning markers inserted into the operating slots.



Finger guard seals an unused conductor entry.

### Marking



Marking via WMB Multi Marking System.

Subject to changes. Please also observe the further product documentation!