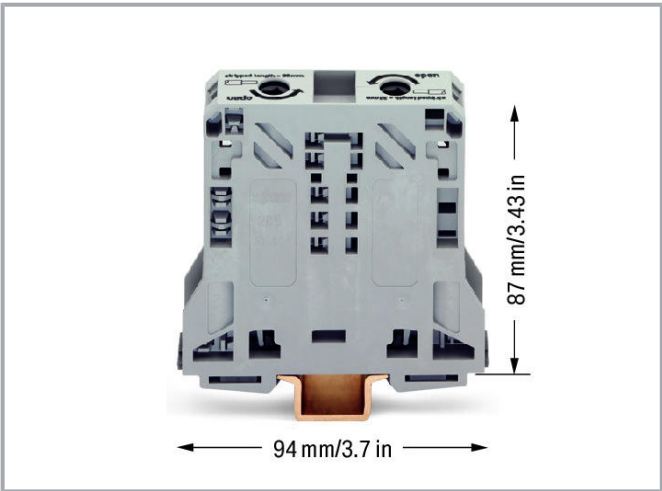


Data sheet | Item number: 285-150
2-conductor through terminal block; 50 mm²; lateral marker slots; only for
DIN 35 x 15 rail; POWER CAGE CLAMP; 50,00 mm²; gray

www.wago.com/285-150



Data
Electrical data

Ratings per IEC/EN

Ratings per	IEC/EN 60947-7-1
Nominal voltage (III/3)	1000 V
Rated surge voltage (III/3)	8 kV
Rated current	150 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

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

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Ratings per UL

Approvals per	UL 1059
Rated voltage UL (Use Group B)	600 V
Rated current UL (Use Group B)	150 A
Rated voltage UL (Use Group C)	600 V
Rated current UL (Use Group C)	150 A

Ratings per CSA

Approvals per	C22.2 No 158
Rated voltage CSA (Use Group B)	600 V
Rated current CSA (Use Group B)	150 A
Rated voltage CSA (Use Group C)	600 V
Rated current CSA (Use Group D)	150 A

Connection data

Total number of connection points	2
Total number of potentials	1
Number of levels	1

Connection 1

Connection technology	POWER CAGE CLAMP
Actuation type	Operating tool
Connectable conductor materials	Copper
Solid conductor	10 ... 50 mm ² / 8 ... 1/0 AWG
Stranded conductor	10 ... 50 mm ² / 8 ... 1/0 AWG
Fine-stranded conductor	10 ... 70 mm ² / 8 ... 2/0 AWG
Fine-stranded conductor; with insulated ferrule	10 ... 50 mm ² / 8 ... 1/0 AWG
Fine-stranded conductor; with uninsulated ferrule	10 ... 50 mm ² / 8 ... 1/0 AWG
Strip length	30 mm / 1.18 inch
Wiring direction	Side-entry wiring

Physical data

Width	20 mm / 0.787 inch
Height	94 mm / 3.701 inch
Depth from upper edge of DIN-rail	87 mm / 3.425 inch

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

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Mechanical data

Design	horizontal type
Mounting type	DIN-35 rail
Mounting (note)	only suitable for DIN 35 x 15 rail
Marking level	Side marking

Material data

Note on material data	Information on material data can be found here
Color	gray
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	2.164 MJ
Weight	158.7 g

Commercial data

Product Group	1 (Rail Mounted Terminal Blocks)
PU (SPU)	5 Stück
Packaging type	box
Country of origin	PL
GTIN	4045454507411
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-7707
	CSA DEKRA Certification B.V.	C22.2 No. 158	154112
	KEMA/KEUR DEKRA Certification B.V.	EN 60947	71-101911

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

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	EN 60947	20-HG1941090-PDA
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001V2

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc.	UL 1059	E45172

Optional accessories

Tool

Operating tool



Item no.: 285-172

Allen wrench; with a partially insulated shaft; green

www.wago.com/285-172

Item no.: 285-173

Allen wrench; with a partially insulated shaft; with anti-rotation protection; green

www.wago.com/285-173

Power tap

Power tap



Item no.: 285-447

Power tap; for 50 mm² high-current tbs; Module width 16 mm; 6,00 mm²; graywww.wago.com/285-447

Marking accessories

Marker carrier



Item no.: 285-442

Adaptor; gray

www.wago.com/285-442

Marker



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

www.wago.com/2009-115/000-002

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

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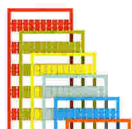
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	Item no.: 2009-115/000-007 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray	www.wago.com/2009-115/000-007
	Item no.: 2009-115/000-017 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; light green	www.wago.com/2009-115/000-017
	Item no.: 2009-115/000-023 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green	www.wago.com/2009-115/000-023
	Item no.: 2009-115/000-024 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet	www.wago.com/2009-115/000-024
	Item no.: 2009-115 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white	www.wago.com/2009-115
	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	www.wago.com/793-5501/000-007
	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	www.wago.com/793-5501/000-012
	Item no.: 793-5501/000-014 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; brown	www.wago.com/793-5501/000-014
	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	www.wago.com/793-5501/000-017
	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	www.wago.com/793-5501/000-023
	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	www.wago.com/793-5501/000-024

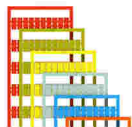
Subject to changes. Please also observe the further product documentation!



Item no.: 793-501/000-002

WMB marking card; as card; not stretchable; plain; snap-on type; yellow

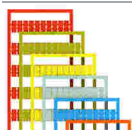
www.wago.com/793-501/000-002



Item no.: 793-501/000-007

WMB marking card; as card; not stretchable; plain; snap-on type; gray

www.wago.com/793-501/000-007



Item no.: 793-501/000-017

WMB marking card; as card; not stretchable; plain; snap-on type; light green

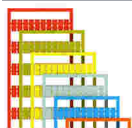
www.wago.com/793-501/000-017



Item no.: 793-501/000-012

WMB marking card; as card; not stretchable; plain; snap-on type; orange

www.wago.com/793-501/000-012



Item no.: 793-501/000-023

WMB marking card; as card; not stretchable; plain; snap-on type; green

www.wago.com/793-501/000-023



Item no.: 793-501/000-006

WMB marking card; as card; not stretchable; plain; snap-on type; blue

www.wago.com/793-501/000-006



Item no.: 793-501/000-005

WMB marking card; as card; not stretchable; plain; snap-on type; red

www.wago.com/793-501/000-005



Item no.: 793-501

WMB marking card; as card; not stretchable; plain; snap-on type; white

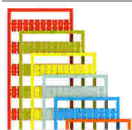
www.wago.com/793-501



Item no.: 793-501/000-024

WMB marking card; as card; not stretchable; plain; snap-on type; violet

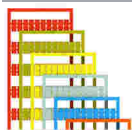
www.wago.com/793-501/000-024



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

www.wago.com/793-5501/000-005



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

www.wago.com/793-5501/000-002

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

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**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 www.wago.com/793-5501/000-006

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 www.wago.com/793-5501

**Item no.: 2009-115/000-012**

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange www.wago.com/2009-115/000-012

**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 www.wago.com/2009-115/000-006

**Item no.: 2009-115/000-005**

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red www.wago.com/2009-115/000-005

Group marker carrier

**Item no.: 249-105**

Group marker carrier; gray www.wago.com/249-105

Cover

Cover

**Item no.: 285-441**

Finger guard; touchproof cover protects unused conductor entries and jumper slots; for 50 mm² high-current tbs; yellow www.wago.com/285-441

Carrier rail

Mounting accessories

**Item no.: 210-197**

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored www.wago.com/210-197

**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 www.wago.com/210-198

**Item no.: 210-506**

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715; silver-colored www.wago.com/210-506

**Item no.: 210-508**

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715; silver-colored www.wago.com/210-508

**Item no.: 210-114**

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored www.wago.com/210-114

Current and voltage tap

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

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Current and voltage tap

**Item no.: 855-501/150-000**Current and voltage tap up to 50 mm²; Primary rated current: 150 A; Secondary rated current: 1 A; Rated power: 0.2 VA; Accuracy class: 0.5; fusedwww.wago.com/855-501/150-000

Ferrule

Ferrule

**Item no.: 216-109**Ferrule; Sleeve for 10 mm² / AWG 8; uninsulated; electro-tin platedwww.wago.com/216-109**Item no.: 216-110**Ferrule; Sleeve for 16 mm² / AWG 6; uninsulated; electro-tin plated; brown metallicwww.wago.com/216-110**Item no.: 216-209**Ferrule; Sleeve for 10 mm² / AWG 8; insulated; electro-tin plated; redwww.wago.com/216-209**Item no.: 216-210**Ferrule; Sleeve for 16 mm² / AWG 6; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; bluewww.wago.com/216-210**Item no.: 216-289**Ferrule; Sleeve for 10 mm² / AWG 8; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; redwww.wago.com/216-289**Item no.: 216-414**Ferrule; Sleeve for 35 mm² / AWG 2; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92; silver-coloredwww.wago.com/216-414**Item no.: 216-425**Ferrule; Sleeve for 50 mm² / AWG 1; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92www.wago.com/216-425**Item no.: 216-424**Ferrule; Sleeve for 35 mm² / AWG 2; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92; silver-coloredwww.wago.com/216-424**Item no.: 216-435**Ferrule; Sleeve for 50 mm² / AWG 1; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92www.wago.com/216-435

Mounting

Mounting accessories

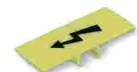
**Item no.: 249-197**

Screwless end stop; 14 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray

www.wago.com/249-197**Item no.: 285-448**Fixing element; for 50 mm² high-current terminal blocks; orangewww.wago.com/285-448

Protective warning marker

Cover

**Item no.: 285-440**

Protective warning marker; with high-voltage symbol, black; yellow

www.wago.com/285-440

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

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**Item no.: 285-449**

Protective warning marker; yellow

www.wago.com/285-449**Jumpers**

Jumper

**Item no.: 285-450**

Jumper; insulated; gray

www.wago.com/285-450**Downloads****Documentation****Bid Text**

285-150 X81 - Datei	Feb 19, 2019	xml 3.3 kB	Download
285-150 doc - Datei	Jan 4, 2018	doc 24.1 kB	Download

Additional Information

Technical Section Technical explanations	pdf 2.2 MB	Download
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CAD/CAE-Data**CAD data**

2D/3D Models 285-150	URL	Download
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CAE data

WSCAD Universe 285-150	URL	Download
ZUKEN Portal 285-150	URL	Download
EPLAN Data Portal 285-150	URL	Download

Environmental Product Compliance**Compliance Search**

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

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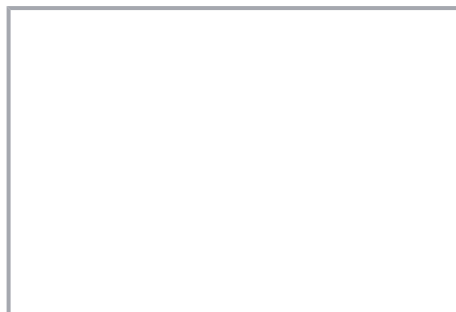
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Environmental Product Compliance 285-150

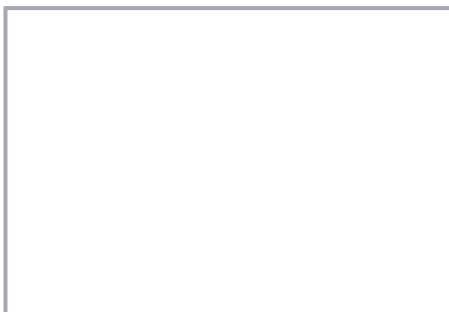
2-conductor through terminal block; 50 mm²; lateral marker slots; only for DIN 35 x 15 rail; POWER CAGE CLAMP; 50,00 mm²; gray

Installation Notes

Installation

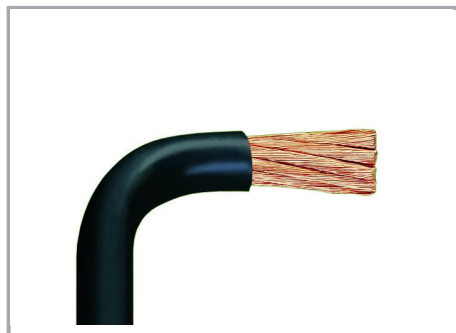


Snapping a terminal block onto DIN-rail (to the left or to the right).



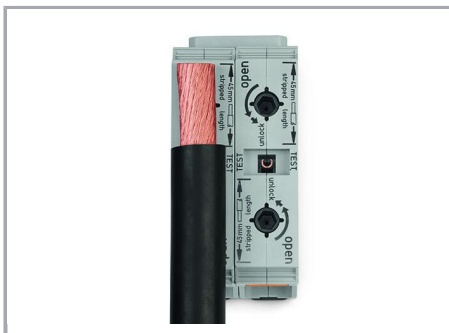
Removing a terminal block from the assembly (to the left or to the right).

Conductor termination

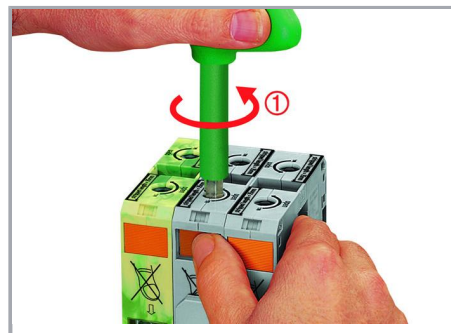


For the optimal clamping force:

- Bend conductor
- Cut conductor to length (conductor end must be straight)
- Strip conductor



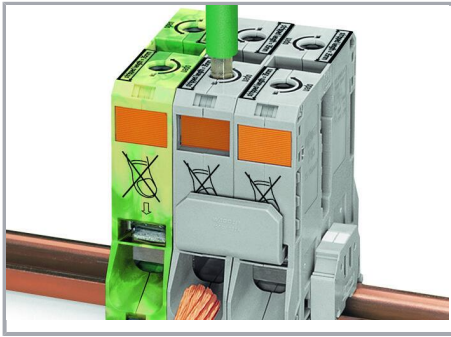
Always observe the on-unit printed strip length guide!



Conductor termination – step 1:

Rotate the T-wrench counter-clockwise to the stop. Next, push in the orange locking tab. The clamp is locked open for hands-free wiring.

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



Conductor termination – step 2:

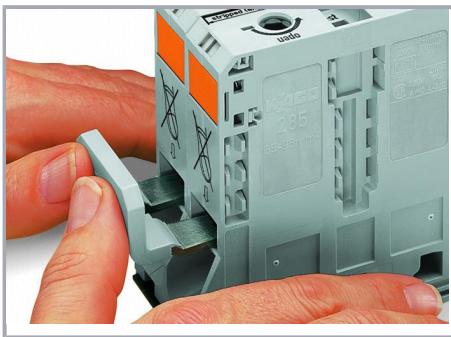
Insert a stripped conductor into the clamping unit until it hits the backstop. Hold in this position.



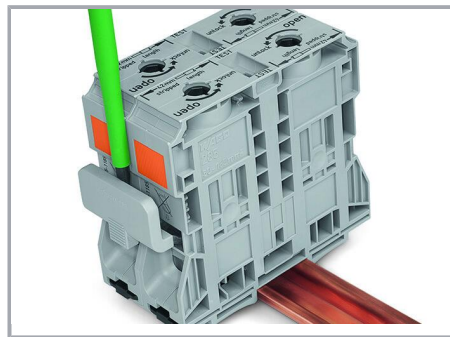
Conductor termination – step 3:

A short counter-clockwise rotation releases the tab. When unlocked, the T-wrench rotates clockwise, securely clamping the conductor.

Commoning



Commoning with an adjacent jumper: insert the jumper above the conductor entry hole – prior to conductor termination. The nominal cross-section remains unchanged.



Removing jumper via operating tool.

Cover

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

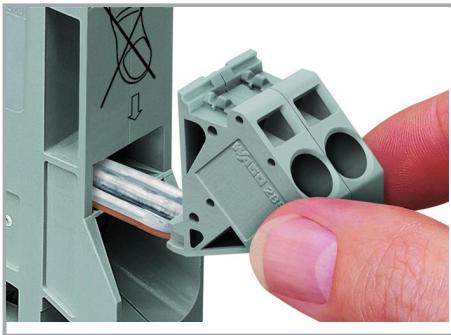


Protective warning marker may indicate:

Notice: Power is still on even after switching off the main switch!

Yellow, detachable finger guards provide touch-proof safety by shielding jumper contact slots and/or unused conductor entries.

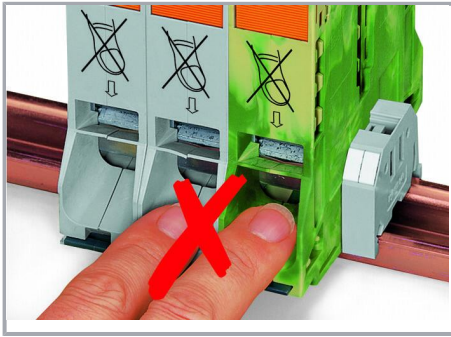
Power tap



Easily and consistently tap directly into the power supply. Insert the unwired tap before opening the clamping unit.

Safety

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



Risk of Injury!

Do not insert fingers in the conductor entry!

Testing



Testing via touch-proof 4 mm Ø test plugs (not available from WAGO, but offered by industry suppliers such as, Multi-Contact Deutschland GmbH).



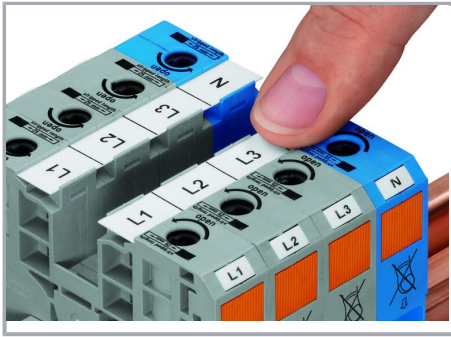
Testing

Marking

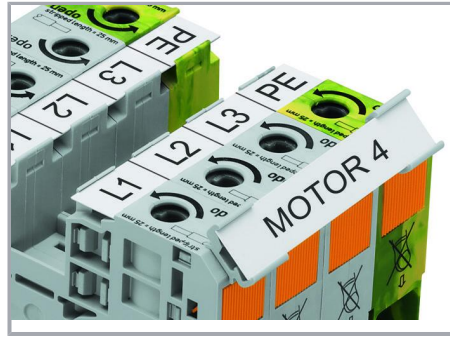
Subject to changes. Please also observe the further product documentation!

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WMB markers or self-adhesive, printable marking strips can be accommodated on 35, 50 and 95 mm² high-current terminal blocks.



Marker carrier for marking strips (2009-110) or 2 WMB markers for 285-13x, 285-15x and 285-19x Terminal Blocks

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

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