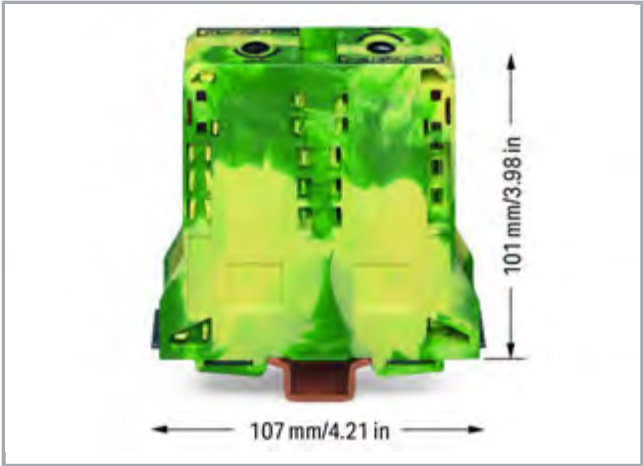


Data sheet | Item number: 285-197
2-conductor ground terminal block; 95 mm²; lateral marker slots; only for
DIN 35 x 15 rail; 2.3 mm thick; copper; POWER CAGE CLAMP; 95,00 mm²;
green-yellow



Data
Electrical data

Ratings per IEC/EN 60664-1

Ratings per	IEC/EN 60947-7-2
-------------	------------------

Connection data

Connection technology	POWER CAGE CLAMP
Actuation type	Operating tool
Connectable conductor materials	Copper
Solid conductor	25 ... 95 mm² / 4 ... 4/0 AWG

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



Stranded conductor	25 ... 95 mm ² / 4 ... 4/0 AWG
Fine-stranded conductor	25 ... 95 mm ² / 4 ... 4/0 AWG
Strip length	35 mm / 1.38 inch
Total number of connection points	2
Total number of potentials	1
Number of levels	1
Wiring type	Side-entry wiring

Geometrical Data

Width	25 mm / 0.984 inch
Height from upper-edge of DIN-rail	101 mm / 3.976 inch
Depth	107 mm / 4.213 inch

Mechanical data

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

Material Data

Color	green-yellow
Insulation material	Polyamide 66 (PA66)
Fire load	3.438 MJ
Weight	309.3 g

Commercial data

Product Group	1 (Rail Mounted Terminal Blocks)
Packaging type	BOX
Country of origin	PL
GTIN	4045454204372
Customs tariff number	85369010000

Approvals / Certificates

Ex-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	AEx Underwriters Laboratories Inc.	-	E185892 sec. 4

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

AEx

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	1151144
	KEMA/KEUR DEKRA Certification B.V.	EN 60947	71-101911

Ship Approvals

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

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
------	----------	--------------------------	------------------

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



UL
Underwriters Laboratories Inc.

UL 1059

E45172

Compatible products

assembling



Item no.: 210-148
Angled support bracket; without screw



Item no.: 249-117
Screwless end stop; 10 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray



Item no.: 249-197
Screwless end stop; 14 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray

tools



Item no.: 285-172
Allen wrench; with a partially insulated shaft



Item no.: 285-173
Allen wrench; with a partially insulated shaft; with anti-rotation protection

Carrier rail



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

potential distribution



Item no.: 285-407
Power tap; for 95 mm² high-current tbs; 10,00 mm²; gray

ferrule



Item no.: 216-413
Ferrule; Sleeve for 25 mm² / AWG 4; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92



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

Item no.: 216-424

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



Ferrule; Sleeve for 35 mm² / AWG 2; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92

Item no.: 216-425

Ferrule; Sleeve for 50 mm² / AWG 1; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92

Item no.: 216-435

Ferrule; Sleeve for 50 mm² / AWG 1; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92

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



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



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



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



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



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



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



Item no.: 209-185
Adaptor; gray



Item no.: 249-105
Group marker carrier; gray

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



Item no.: 285-442
Adaptor; gray



Item no.: 793-501
WMB marking card; as card; not stretchable; plain; snap-on type; white



Item no.: 793-501/000-002
WMB marking card; as card; not stretchable; plain; snap-on type; yellow



Item no.: 793-501/000-005
WMB marking card; as card; not stretchable; plain; snap-on type; red



Item no.: 793-501/000-006
WMB marking card; as card; not stretchable; plain; snap-on type; blue



Item no.: 793-501/000-007
WMB marking card; as card; not stretchable; plain; snap-on type; gray



Item no.: 793-501/000-012
WMB marking card; as card; not stretchable; plain; snap-on type; orange



Item no.: 793-501/000-017
WMB marking card; as card; not stretchable; plain; snap-on type; light green



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

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

**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.: 793-5501/000-014**

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; brown

**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

protection**Item no.: 285-169**

Finger guard; touchproof cover protects unused conductor entries and jumper slots; for 95 mm² high-current tbs; yellow

Jumper**Item no.: 285-495**

Jumper; insulated; gray

Protective Warning Marker**Item no.: 285-170**

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

**Item no.: 285-175**

Protective warning marker; yellow

Downloads**Documentation****Bid Text**

285-197

doc - Datei

285-197

GAEB X81 - Datei

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

Additional Information
Technical explanations

CAD/CAE-Data

CAD data

2D/3D Models 285-197

CAE data

EPLAN Data Portal 285-197

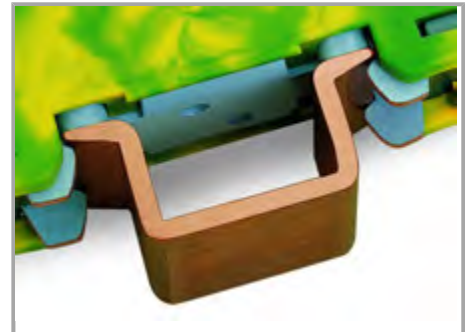
WSCAD Universe 285-197

ZUKEN Portal 285-197

Installation Notes



Removing a terminal block from the assembly.



Grounding foot

Ground conductor terminal blocks (limited to max. 120 mm²/250 kcmil per EN 60947-7-2) must be snapped onto a 2.3 mm thick copper carrier rail.

Conductor termination

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



For the optimal clamping force:



Always observe the printed strip length!



Conductor termination – step 1

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

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.



Conductor termination – step 2



Conductor termination – step 3

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

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

Commoning

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



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



Protective warning marker may indicate:

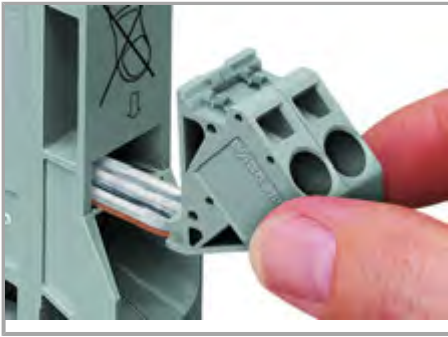
Notice: Power is still on even after switching off the main switch!



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

Voltage tap

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



Reliably and easily tap directly into the power supply. Insert the unwired tap before opening the clamping unit.

Safety



Risk of Injury!

Do not insert fingers in the conductor entry!

Testing

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



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



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 x WMB markers for 285-13x, 285-15x and 285-19x terminal blocks

Product family

POWER CAGE CLAMP

[Show all products from the family](#)

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