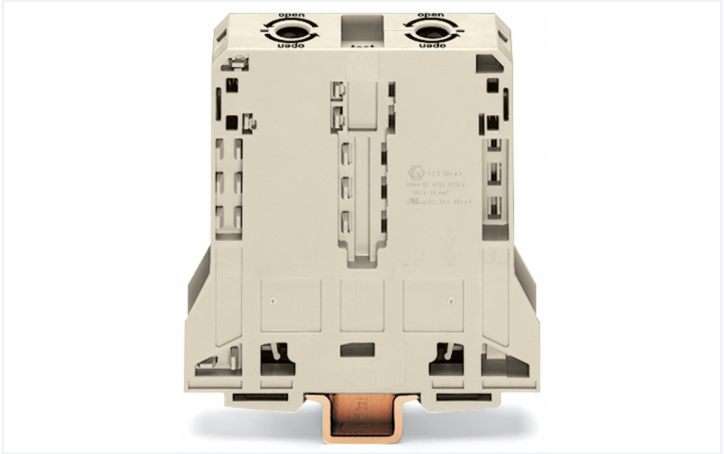
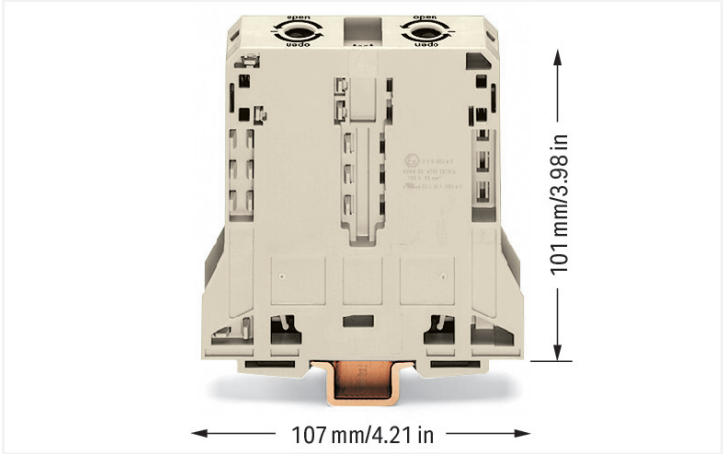


**Data Sheet | Item Number: 285-995**  
2-conductor through terminal block; 95 mm<sup>2</sup>; suitable for Ex e II applications; lateral marker slots; only for DIN 35 x 15 rail; POWER CAGE CLAMP; 95,00 mm<sup>2</sup>; light gray  
<https://www.wago.com/285-995>



Color: ■ light gray

Through terminal block, 285 Series, power cage clamp

Easily, quickly and safely connect conductors with this through terminal block (item number 285-995). Conductors should only be connected to this through terminal block if their strip length is 35 mm. This product incorporates conductor terminals and utilizes POWER CAGE CLAMP. The POWER CAGE CLAMP is a powerful, maintenance-free, and universal way to connect large conductor cross-sections. You can also use it with all conductor types. The clamping point can be locked open and you do not need to use a torque wrench or prepare the conductor in any way, e.g., by crimping the ferrule. This through terminal block is suitable for conductor cross sections ranging from 25 mm<sup>2</sup> to 95 mm<sup>2</sup>. It has one level. The single potential can connect using the two clamping points. The light gray housing is made of polyamide (PA66) for insulation. These high-current terminal blocks are mounted using DIN-rails 35 x 15.. This product is designed for specific Ex applications (please refer to the product datasheet).

Electrical data				
Ratings per		IEC/EN 60947-7-1		
Overvoltage category		III	III	II
Pollution degree		3	2	2
Nominal voltage		-	-	-
Rated surge voltage		-	-	-
Rated current		-	-	-
Approvals per		UL 1059		
Use group		B	C	D
Rated voltage		600 V	600 V	-
Rated current		200 A	200 A	-
Approvals per		CSA 22.2 No 158		
Use group		B	C	D
Rated voltage		600 V	-	600 V
Rated current		210 A	-	210 A
Ex information		Reference hazardous areas		
		See "Downloads – Documentation – Additional Information: Technical Section; Technical Explanations"		
Ratings per		ATEX: PTB 98 ATEX 3134 U (Ex eb IIC Gb)		
Rated voltage EN (Ex e II)		880 V		
Rated current (Ex e II)		211 A		
Rated current (Ex e II) with jumper		175 A		

Power Loss	
Power loss, per pole (potential)	6.2329 W
Rated current I <sub>N</sub> for specified power loss	211 A
Resistance value for specified, current-dependent power loss	0.00014 Ω



Connection data																								
Clamping units	2	<div>Connection 1</div> <table><tr><td>Connection technology</td><td>POWER CAGE CLAMP</td></tr><tr><td>Actuation type</td><td>T-wrench; 8 mm</td></tr><tr><td>Connectable conductor materials</td><td>Copper</td></tr><tr><td>Nominal cross-section</td><td>95 mm²</td></tr><tr><td>Solid conductor</td><td>25 ... 95 mm² / 4 ... 4/0 AWG</td></tr><tr><td>Stranded conductor</td><td>25 ... 95 mm² / 4 ... 4/0 AWG</td></tr><tr><td>Fine-stranded conductor</td><td>25 ... 95 mm² / 4 ... 4/0 AWG</td></tr><tr><td>Fine-stranded conductor; with insulated ferrule</td><td>25 ... 95 mm² / 4 ... 4/0 AWG</td></tr><tr><td>Fine-stranded conductor; with uninsulated ferrule</td><td>25 ... 95 mm² / 4 ... 4/0 AWG</td></tr><tr><td>Strip length</td><td>35 mm / 1.38 inches</td></tr><tr><td>Wiring direction</td><td>Side-entry wiring</td></tr></table>	Connection technology	POWER CAGE CLAMP	Actuation type	T-wrench; 8 mm	Connectable conductor materials	Copper	Nominal cross-section	95 mm²	Solid conductor	25 ... 95 mm² / 4 ... 4/0 AWG	Stranded conductor	25 ... 95 mm² / 4 ... 4/0 AWG	Fine-stranded conductor	25 ... 95 mm² / 4 ... 4/0 AWG	Fine-stranded conductor; with insulated ferrule	25 ... 95 mm² / 4 ... 4/0 AWG	Fine-stranded conductor; with uninsulated ferrule	25 ... 95 mm² / 4 ... 4/0 AWG	Strip length	35 mm / 1.38 inches	Wiring direction	Side-entry wiring
Connection technology	POWER CAGE CLAMP																							
Actuation type	T-wrench; 8 mm																							
Connectable conductor materials	Copper																							
Nominal cross-section	95 mm²																							
Solid conductor	25 ... 95 mm² / 4 ... 4/0 AWG																							
Stranded conductor	25 ... 95 mm² / 4 ... 4/0 AWG																							
Fine-stranded conductor	25 ... 95 mm² / 4 ... 4/0 AWG																							
Fine-stranded conductor; with insulated ferrule	25 ... 95 mm² / 4 ... 4/0 AWG																							
Fine-stranded conductor; with uninsulated ferrule	25 ... 95 mm² / 4 ... 4/0 AWG																							
Strip length	35 mm / 1.38 inches																							
Wiring direction	Side-entry wiring																							
Total number of potentials	1																							
Number of levels	1																							
Number of jumper slots	2																							

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

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

Material data		
Note (material data)		<a href="#">Information on material specifications can be found here</a>
Color		light gray
Material group		I
Insulation material (main housing)		Polyamide (PA66)
Flammability class per UL94		V0
Fire load		0.734 MJ
Weight		263.5 g

Environmental requirements		
Processing temperature		-35 ... +85 °C
Continuous operating temperature		-60 ... +105 °C

Commercial data		
PU (SPU)		5 pcs
Packaging type		Box
Country of origin		PL
GTIN		4055143254311
Customs tariff number		85369010000



Product classification		
UNSPSC		39121410
eCl@ss 10.0		27-14-11-20
eCl@ss 9.0		27-14-11-20
ETIM 9.0		EC000897
ETIM 8.0		EC000897
ECCN		NO US CLASSIFICATION

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60947	NTR NL-7707	ATEX-Attestation of Con- formity WAGO GmbH & Co. KG	-	-
CSA DEKRA Certification B.V.	C22.2 No. 158	154112	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
KEMA/KEUR DEKRA Certification B.V.	EN 60947	71-105562	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
UL Underwriters Laboratories Inc.	UL 1059	E45172			

Approvals for marine applications			Approvals for hazardous areas		
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
DNV GL Det Norske Veritas, Ger- manischer Lloyd	-	TAE00001V2	AEx Underwriters Laboratories Inc.	-	E185892 (AEx eb II C resp. Ex eb II C)
			ATEX Physikalisch Technische Bundesanstalt	EN 60079-0	PTB 98 ATEX 3134 U (II 2 G Ex eb IIC Gb or I M 2 Ex eb I Mb)
			CCC CNEX	GB/T 3836.3	2020312313000177 (Ex eb IIC Gb, Ex eb I Mb)
			IECEx Physikalisch Technische Bundesanstalt	IEC 60079-0	IECEx PTB 16.0001U (Ex eb IIC Gb or Ex eb I Mb)



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 285-995

Download icon

Documentation				
Bid Text				
285-995	19.02.2019	xml	3.36 KB	Download icon
285-995	04.01.2018	doc	23.50 KB	Download icon

CAD/CAE-Data

CAD data

2D/3D Models 285-995

Download icon

CAE data

EPLAN Data Portal 285-995

Download icon

WSCAD Universe 285-995

Download icon

ZUKEN Portal 285-995

Download icon

1 Compatible Products

1.1 Optional Accessories

1.1.1 Cover

1.1.1.1 Cover



**Item No.: 285-169**  
Finger guard; touchproof cover protects unused conductor entries and jumper slots; for 95 mm² high-current tbs; yellow

1.1.2 DIN-rail

1.1.2.1 Mounting accessories



**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



**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



**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




















**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



**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



1.1.3 Ferrule				
1.1.3.1 Ferrule				
				
<div><div>Item No.: 216-435</div><div>Ferrule; Sleeve for 50 mm² / AWG 1; unin- sulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92</div></div>				
1.1.4 Installation				
1.1.4.1 Mounting accessories				
<div><div>Item No.: 285-168</div><div>Fixing element; for 95 mm² high-current terminal blocks; orange</div></div> <div><div>Item No.: 249-197</div><div>Screwless end stop; 14 mm wide; for DIN- rail 35 x 15 and 35 x 7.5; gray</div></div>				
1.1.5 Jumper				
1.1.5.1 Jumper				
				
<div>Item No.: 285-495</div> <div>Jumper; insulated; gray</div>				
1.1.6 Marking				
1.1.6.1 Group marker carrier				
				
<div>Item No.: 249-105</div> <div>Group marker carrier; gray</div>				
1.1.6.2 Marker				
				
<div>Item No.: 793-5501/000-006</div> <div>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; blue</div>	<div>Item No.: 793-5501/000-014</div> <div>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; brown</div>	<div>Item No.: 793-5501/000-007</div> <div>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; gray</div>	<div>Item No.: 793-5501/000-023</div> <div>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; green</div>	
				
<div>Item No.: 793-5501/000-017</div> <div>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; light green</div>	<div>Item No.: 793-5501/000-012</div> <div>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; orange</div>	<div>Item No.: 793-5501/000-005</div> <div>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; red</div>	<div>Item No.: 793-5501/000-024</div> <div>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; violet</div>	
				
<div>Item No.: 793-5501</div> <div>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white</div>	<div>Item No.: 793-5501/000-002</div> <div>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; yellow</div>	<div>Item No.: 793-501/000-006</div> <div>WMB marking card; as card; not stretcha- ble; plain; snap-on type; blue</div>	<div>Item No.: 793-501/000-007</div> <div>WMB marking card; as card; not stretcha- ble; plain; snap-on type; gray</div>	



1.1.6.2 Marker



[Item No.: 793-501/000-023](#)  
WMB marking card; as card; not stretchable; plain; snap-on type; green



[Item No.: 793-501/000-017](#)  
WMB marking card; as card; not stretchable; plain; snap-on type; light green



[Item No.: 793-501/000-012](#)  
WMB marking card; as card; not stretchable; plain; snap-on type; orange



[Item No.: 793-501/000-005](#)  
WMB marking card; as card; not stretchable; plain; snap-on type; red



[Item No.: 793-501/000-024](#)  
WMB marking card; as card; not stretchable; plain; snap-on type; violet



[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.: 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.: 2009-115/000-023](#)  
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green



[Item No.: 2009-115/000-017](#)  
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; light green



[Item No.: 2009-115/000-012](#)  
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange



[Item No.: 2009-115/000-005](#)  
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red



[Item No.: 2009-115/000-024](#)  
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet



[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

1.1.6.3 Marker carrier



[Item No.: 285-442](#)  
Adaptor; gray

1.1.7 Power tap

1.1.7.1 Power tap



[Item No.: 285-407](#)  
Power tap; for 95 mm² high-current tbs; gray

1.1.8 Protective warning marker

1.1.8.1 Cover



[Item No.: 285-170](#)  
Protective warning marker; with high-voltage symbol, black; yellow



[Item No.: 285-175](#)  
Protective warning marker; yellow

1.1.9 Tool

1.1.9.1 Operating tool



**Item No.: 285-172**  
Allen wrench; with a partially insulated shaft; green

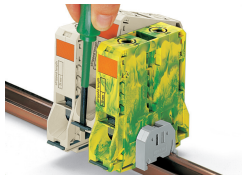
**Item No.: 285-173**  
Allen wrench; with a partially insulated shaft; with anti-rotation protection; green

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

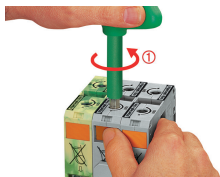


For the optimal clamping force:

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



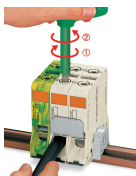
Always observe the on-unit printed strip length guide!



**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.

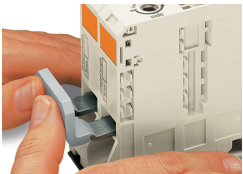


Insert a stripped conductor into the clamping unit until it hits the backstop. Hold in this position.

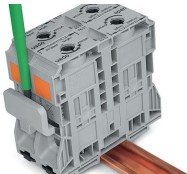


A short counter-clockwise rotation releases the tab. When unlocked, the T-wrench rotates clockwise, securely clamping the conductor.

Commoning

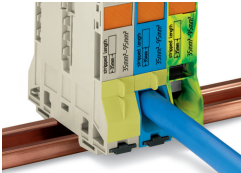
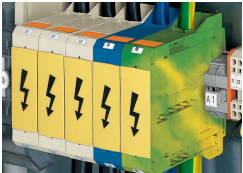


Commoning with an adjacent jumper: insert the jumper above the conductor entry hole – prior to conductor termination. The nominal cross-section remains unchanged.



Removing jumper via operating tool.

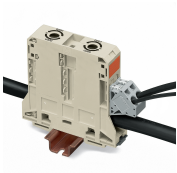
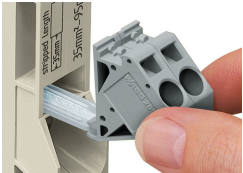
Cover



Protective warning marker may indicate:  
Notice: Power is still on even after switching off the main switch!

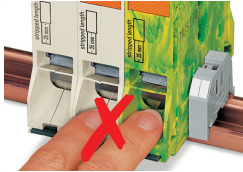
Yellow, detachable finger guards provide touch-proof safety by shielding jumper contact slots and/or unused conductor entries.

Power tap



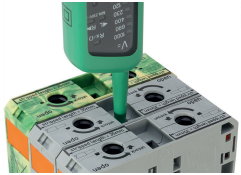
Easily and consistently tap directly into the power supply. Insert the unwired tap before opening the clamping unit.

Security



Risk of Injury!  
Do not insert fingers in the conductor entry!

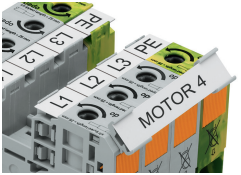
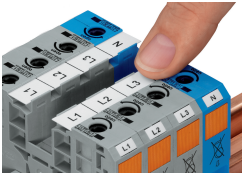
Testing



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  
Voltage measurements can be performed, e.g., using a 2-pole voltage tester (206-707).

Marking



WMB markers or self-adhesive, printable marking strips can be accommodated on 35, 50 and 95 mm<sup>2</sup> high-current terminal blocks.

Marker carrier (Item No. 285-442) for marking strips (Item No. 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!

Current addresses can be found at: [www.wago.com](https://www.wago.com)