

Color: ■ dark gray/yellow

Through terminal block, 285 Series, power cage clamp

Our through terminal block (item number 285-187) is the perfect way to connect conductors quickly and securely. Ensure that the strip lengths are 35 mm when connecting conductors to this through terminal block. Featuring conductor terminals along with POWER CAGE CLAMP, this connector is highly versatile. The POWER CAGE CLAMP is perfect for connecting large conductor cross-sections. This universal connector is both reliable and maintenance-free. What's more, you can use it to connect all types of conductors and the clamping point can be locked open, making it easier to use. You do not need to use a torque wrench or prepare the conductor. For example, crimping ferrules is not necessary. Depending on the conductor type, this through terminal block is designed for conductor cross sections ranging from 25 mm² to 95 mm². It has one level. You can connect a single potential using the two clamping points. The dark gray/yellow housing is made of polyamide (PA66) for insulation. These high-current terminal blocks are mounted using panel mountings and fixed in place with a Mounting flange..

Electrical data				
Ratings per		IEC/EN 60947-7-1		
Overvoltage category		III	III	II
Pollution degree		3	2	2
Nominal voltage	1000 V	-	-	-
Rated surge voltage	12 kV	-	-	-
Rated current	232 A	-	-	-
Ratings per IEC/EN 2				
Rated voltage (III/3)	1500 V			
Rated impulse withstand voltage (III/3)	12 kV			
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	1000 V	1000 V	-	-
Rated current	210 A	-	-	-
Power Loss				
Power loss, per pole (potential)	7.5354 W			
Rated current I <sub>N</sub> for specified power loss	232 A			
Resistance value for specified, current-dependent power loss	0.00014 Ω			
General information				
Voltage type 1	AC/DC			
Voltage type 2	DC			



Connection data			
Clamping units	2	Connection 1	
Total number of potentials	1	Connection technology	POWER CAGE CLAMP
Number of levels	1	Actuation type	T-wrench; 8 mm
Number of jumper slots	2	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

Physical data			
Width		25 mm / 0.984 inches	
Height from the surface		108 mm / 4.252 inches	
Depth		145 mm / 5.709 inches	

Mechanical data			
Mounting type		Mounting flange	
		Panel mounting	
Marking level		Side marking	

Material data			
Note (material data)		<a href="#">Information on material specifications can be found here</a>	
Color		dark gray/yellow	
Material group		I	
Insulation material (main housing)		Polyamide (PA66)	
Flammability class per UL94		V0	
Fire load		0.956 MJ	
Weight		268.2 g	

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

Commercial data			
eCl@ss 10.0		27-14-11-20	
eCl@ss 9.0		27-14-11-20	
ETIM 9.0		EC000897	
ETIM 8.0		EC000897	
PU (SPU)		5 pcs	
Packaging type		Box	
Country of origin		PL	
GTIN		4055143583954	
Customs tariff number		85369010000	



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	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
CSA DEKRA Certification B.V.	C22.2	154112	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
KEMA/KEUR DEKRA Certification B.V.	EN 60947	71-105562			
UL Underwriters Laboratories Inc.	UL 1059	E45172			

Approvals for marine applications

Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	EN 60947	20-HG1941090-PDA
DNV GL Det Norske Veritas, Ger- manischer Lloyd	-	TAE00001V2




Downloads

Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 285-187	

Documentation

Additional Information			Bid Text		
Technical Section	pdf 2246.92 KB		285-187	19.02.2019	xml 3.20 KB 
			285-187	04.01.2018	doc 23.50 KB 



CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 285-187	EPLAN Data Portal 285-187
	
	ZUKEN Portal 285-187
	

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 Current and voltage tap
1.1.2.1 Current and voltage tap



**Item No.: 855-951/250-000**  
Current and voltage tap up to 95 mm²; Primary rated current: 250 A; Secondary rated current: 1 A; Rated power: 0.2 VA; Accuracy class: 0.5; fused

1.1.3 Ferrule
1.1.3.1 Ferrule



**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

1.1.4 Installation
1.1.4.1 Mounting accessories



**Item No.: 285-168**  
Fixing element; for 95 mm² high-current terminal blocks; orange



1.1.5 Jumper

1.1.5.1 Jumper



Item No.: 285-495  
Jumper; insulated; gray

1.1.6 Marking

1.1.6.1 Group marker carrier



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

1.1.6.2 Marker



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.: 793-5501/000-014  
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.: 793-5501/000-007  
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.: 793-5501/000-023  
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.: 793-5501/000-017  
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.: 793-5501/000-012  
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.: 793-5501/000-005  
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.: 793-5501/000-024  
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; 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.: 793-501/000-006  
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.: 793-501/000-023  
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 mm<sup>2</sup> 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



Optionally, insert block-to-block connector (285-168) into housing slot.



Align and snap high-current, through terminal blocks together.

