

Color: ■ gray

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		8 kV	-	-
Rated current		150 A	-	-
Approvals per		UL 1059		
Use group		B	C	D
Rated voltage		600 V	600 V	-
Rated current		150 A	150 A	-
Approvals per		CSA 22.2 No 158		
Use group		B	C	D
Rated voltage		600 V	600 V	-
Rated current		150 A	-	-
Power Loss				
Power loss, per pole (potential)		4.725 W		
Rated current I _N for specified power loss		150 A		
Resistance value for specified, current-dependent power loss		0.0001 Ω		

Connection data		
Connection points	2	
Total number of potentials	1	
Number of levels	1	
Number of jumper slots	2	
Connection 1		
Connection technology		POWER CAGE CLAMP
Actuation type		T-wrench; 8 mm
Connectable conductor materials		Copper
Nominal cross-section		50 mm²
Solid conductor		10 ... 50 mm² / 8 ... 1/0 AWG
Stranded conductor		10 ... 50 mm² / 8 ... 1/0 AWG
Fine-stranded conductor		10 ... 70 mm² / 8 ... 2/0 AWG
Fine-stranded conductor; with insulated ferrule		10 ... 50 mm² / 8 ... 1/0 AWG
Fine-stranded conductor; with uninsulated ferrule		10 ... 50 mm² / 8 ... 1/0 AWG
Strip length		30 mm / 1.18 inches
Wiring direction		Side-entry wiring



Physical data	
Width	20 mm / 0.787 inches
Height	94 mm / 3.701 inches
Depth from upper-edge of DIN-rail	87 mm / 3.425 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)	Information on material specifications can be found here
Color	gray
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	2.168 MJ
Weight	158.8 g

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

Commercial data	
Product Group	1 (Rail Mounted Terminal Blocks)
eCl@ss 10.0	27-14-11-20
eCl@ss 9.0	27-14-11-20
ETIM 8.0	EC000897
ETIM 7.0	EC000897
PU (SPU)	5 pcs
Packaging type	Box
Country of origin	PL
GTIN	4045454507411
Customs tariff number	85369010000

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates		
General approvals		General approvals
		UL Underwriters Laboratories Inc.
		UL 1059
		E45172
Approval	Standard	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	71-105562



Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

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 285-150



Documentation

Additional Information
Technical Section

pdf
2240.62 KB



Bid Text
285-150
19.02.2019
xml 3.25 KB
285-150
04.01.2018
doc 23.50 KB



CAD/CAE-Data

CAD data
2D/3D Models 285-150

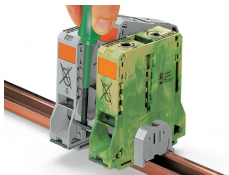


CAE data
EPLAN Data Portal 285-150
WSCAD Universe 285-150
ZUKEN Portal 285-150



Installation Notes

Installation



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

Removing a terminal block from the as-
sembly (to the left or to the right).

Conductor termination

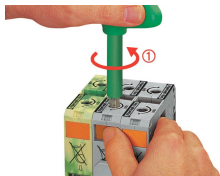


For the optimal clamping force:

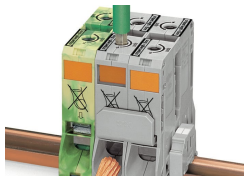
- Bend conductor
- Cut conductor to length (conductor end must be straight)
- Strip conductor



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.

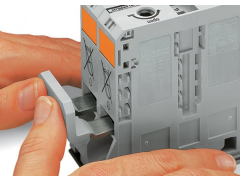


Conductor termination – step 2:
Insert a stripped conductor into the clamping unit until it hits the backstop. Hold in this position.

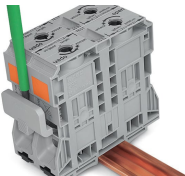


Conductor termination – step 3:
A short counter-clockwise rotation releases the tab. When unlocked, the T-wrench rotates clockwise, securely clamping the conductor.

Commoning

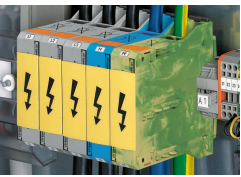


Commoning with an adjacent jumper: insert the jumper above the conductor entry hole – prior to conductor termination. The nominal cross-section remains unchanged.

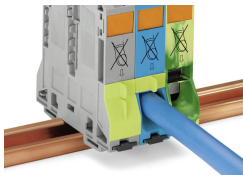


Removing jumper via operating tool.

Cover

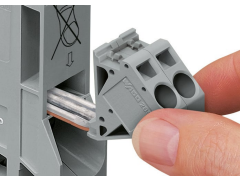


Protective warning marker may indicate: Notice: Power is still on even after switching off the main switch!

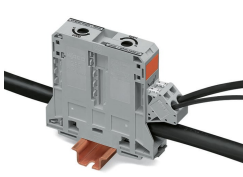


Yellow, detachable finger guards provide touch-proof safety by shielding jumper contact slots and/or unused conductor entries.

Power tap



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



Security

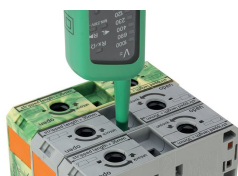


Risk of Injury!
Do not insert fingers in the conductor entry!

Testing

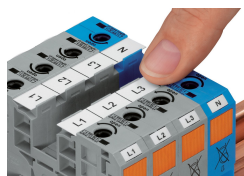


Testing via touch-proof 4 mm Ø test plugs (not available from WAGO, but offered by industry suppliers such as, Multi-Contact Deutschland GmbH).

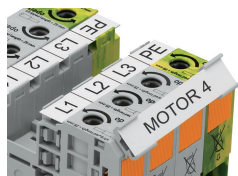


Testing
Voltage measurements can be performed, e.g., using a 2-pole voltage tester (206-707).

Marking



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



Marker carrier (285-442) for marking strips (2009-110) or 2 WMB markers for 285-13x, 285-15x and 285-19x Terminal Blocks