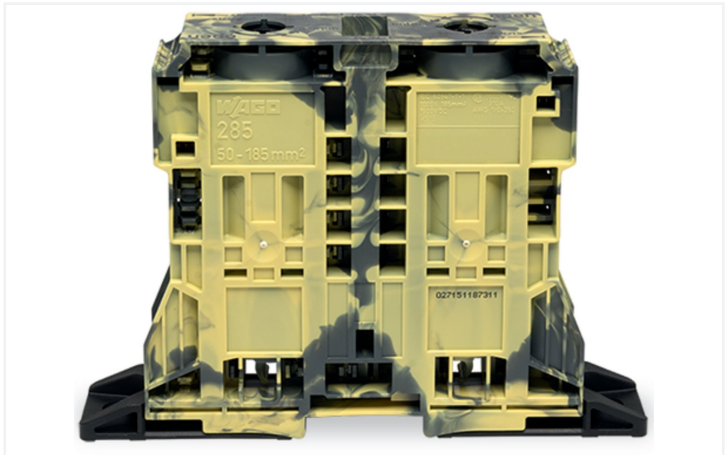
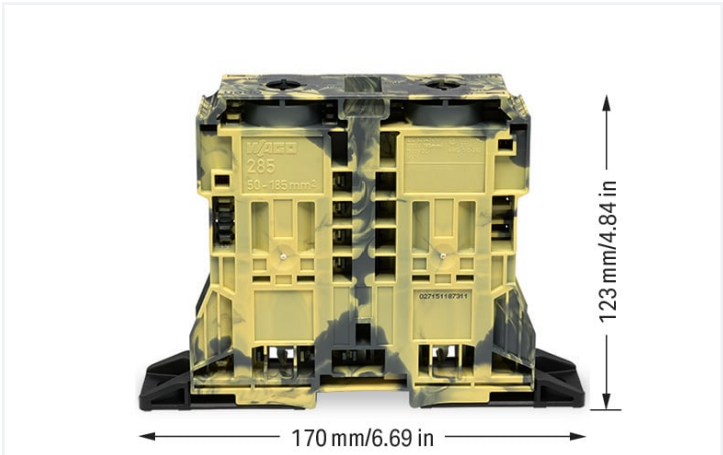


Data Sheet | Item Number: 285-1167

2-conductor through terminal block; 185 mm²; lateral marker slots; with fixing flanges; POWER CAGE CLAMP; 185,00 mm²; dark gray-yellow

<https://www.wago.com/285-1167>



Color: ■ dark gray/yellow

Through terminal block, 285 Series, dark gray/yellow

Quick and easy connections are guaranteed with this through terminal block (item number 285-1167). Ensure that the strip lengths are between 45 mm and 47 mm when connecting conductors to this through terminal block. Featuring conductor terminals along with POWER CAGE CLAMP, this product 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 type of conductor, this through terminal block is suitable for conductor cross sections ranging from 50 mm² to 185 mm². It comes with one level and two clamping points for connecting a single potential. 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	353 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	310 A	310 A	-	-
Approvals per		CSA 22.2 No 158		
Use group		B	C	D
Rated voltage	1000 V	1000 V	-	-
Rated current	310 A	-	-	-
Power Loss				
Power loss, per pole (potential)	11.2148 W			
Rated current I _N for specified power loss	353 A			
Resistance value for specified, current-dependent power loss	9e-005 Ω			
General information				
Voltage type 1	AC/DC			
Voltage type 2	DC			





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>185 mm² / 350 kcmil</td></tr><tr><td>Solid conductor</td><td>50 ... 185 mm² / 1/0 AWG ... 350 kcmil</td></tr><tr><td>Stranded conductor</td><td>50 ... 185 mm² / 1/0 AWG ... 350 kcmil</td></tr><tr><td>Fine-stranded conductor</td><td>50 ... 185 mm² / 1/0 AWG ... 350 kcmil</td></tr><tr><td>Fine-stranded conductor; with insulated ferrule</td><td>50 ... 150 mm² / 1/0 AWG ... 300 kcmil</td></tr><tr><td>Fine-stranded conductor; with uninsulated ferrule</td><td>50 ... 185 mm² / 1/0 AWG ... 350 kcmil</td></tr><tr><td>Strip length</td><td>45 ... 47 mm / 1.77 ... 1.85 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	185 mm² / 350 kcmil	Solid conductor	50 ... 185 mm² / 1/0 AWG ... 350 kcmil	Stranded conductor	50 ... 185 mm² / 1/0 AWG ... 350 kcmil	Fine-stranded conductor	50 ... 185 mm² / 1/0 AWG ... 350 kcmil	Fine-stranded conductor; with insulated ferrule	50 ... 150 mm² / 1/0 AWG ... 300 kcmil	Fine-stranded conductor; with uninsulated ferrule	50 ... 185 mm² / 1/0 AWG ... 350 kcmil	Strip length	45 ... 47 mm / 1.77 ... 1.85 inches	Wiring direction	Side-entry wiring
Connection technology	POWER CAGE CLAMP																							
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Fine-stranded conductor; with uninsulated ferrule	50 ... 185 mm² / 1/0 AWG ... 350 kcmil																							
Strip length	45 ... 47 mm / 1.77 ... 1.85 inches																							
Wiring direction	Side-entry wiring																							
Total number of potentials	1																							
Number of levels	1																							
Number of jumper slots	2																							
Physical data																								
Width	32 mm / 1.26 inches																							
Height from the surface	123 mm / 4.843 inches																							
Depth	170 mm / 6.693 inches																							
Mechanical data																								
Mounting type	Mounting flange Panel mounting																							
Marking level	Side marking																							
Material data																								
Note (material data)	Information on material specifications can be found here																							
Color	dark gray/yellow																							
Material group	I																							
Insulation material (main housing)	Polyamide (PA66)																							
Flammability class per UL94	V0																							
Fire load	5.446 MJ																							
Weight	546.4 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)	4 pcs																							
Packaging type	Box																							
Country of origin	DE																							
GTIN	4055143424134																							
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 7965	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	71-126013			
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

Downloads

Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 285-1167	

Documentation

Additional Information			Bid Text		
Technical Section	pdf 2246.92 KB		285-1167	19.02.2019	xml 3.93 KB 
			285-1167	04.01.2018	doc 25.50 KB 



CAD/CAE-Data	
<div>CAD data</div> <div>2D/3D Models 285-1167</div> <div>↓</div>	<div>CAE data</div> <div>EPLAN Data Portal 285-1167</div> <div>↓</div>
	<div>ZUKEN Portal 285-1167</div> <div>↓</div>

1 Compatible Products

1.1 Optional Accessories

1.1.1 Cover

1.1.1.1 Cover



Item No.: 285-1178

Finger guard; touchproof cover protects unused conductor entries and jumper slots; for 185 mm² high-current terminal blocks; yellow

1.1.2 Installation

1.1.2.1 Mounting accessories



Item No.: 285-1179

Fixing element; for 185 mm² high-current terminal blocks; orange

1.1.3 Jumper

1.1.3.1 Jumper



Item No.: 285-1171

Jumper; insulated; gray

1.1.4 Marking

1.1.4.1 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



1.1.4.1 Marker



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

1.1.4.2 Marking strip



Item No.: 2009-110
Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

1.1.5 Power tap

1.1.5.1 Power tap



Item No.: 285-1175
Power tap; for 185 mm² high-current terminal blocks; gray

1.1.6 Protective warning marker

1.1.6.1 Cover



Item No.: 285-1177
Protective warning marker; with high-voltage symbol, black; yellow



Item No.: 285-1176
Protective warning marker; yellow

1.1.7 Tool

1.1.7.1 Operating tool

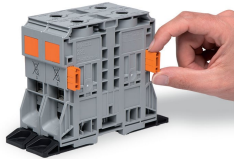


Item No.: 285-172
Allen wrench; with a partially insulated shaft; green

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

Installation Notes

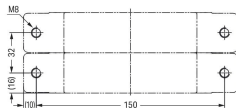
Installation



Optionally, insert block-to-block connector (285-1179) into housing slot.



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



Secure the terminal block to a mounting plate using two M8 cylinder-head screws and appropriate washers.