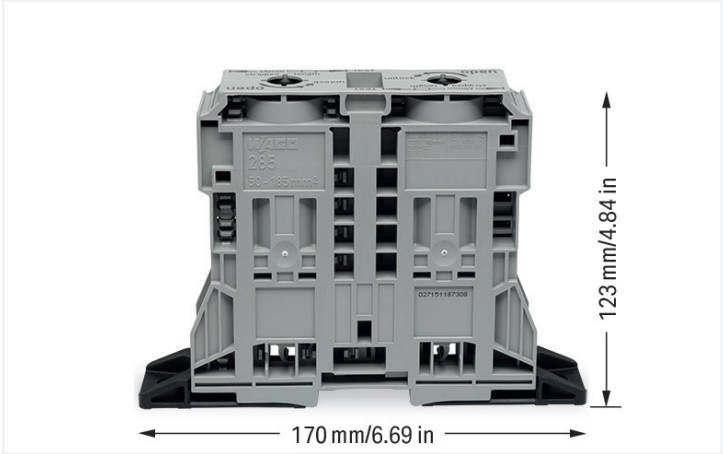


Data Sheet | Item Number: 285-1161

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

<https://www.wago.com/285-1161>



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	12 kV	-	-
Rated current	353 A	-	-

Ratings per IEC/EN 2	
Rated voltage (III/3) 2	1500 V
Rated surge voltage (III/3) 2	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

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	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



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
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	5.446 MJ
Weight	552 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 8.0	EC000897
ETIM 7.0	EC000897
PU (SPU)	4 pcs
Packaging type	Box
Country of origin	DE
GTIN	4055143424141
Customs tariff number	85369010000

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates

General approvals	
  	UL Underwriters Laboratories Inc. UL 1059 E45172

Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60947	NTR NL 7965
CSA DEKRA Certification B.V.	C22.2	154112
KEMA/KEUR DEKRA Certification B.V.	EN 60947	71-126013



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

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 285-1161



Documentation

Additional Information
Technical Section

pdf
2240.62 KB



Bid Text
285-1161
19.02.2019
xml 3.92 KB
285-1161
04.01.2018
doc 25.50 KB



CAD/CAE-Data

CAD data
2D/3D Models 285-1161



CAE data
EPLAN Data Portal 285-1161
ZUKEN Portal 285-1161



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 Current and voltage tap

1.1.2.1 Current and voltage tap



Item No.: 855-1851/350-000
Current and voltage tap up to 185 mm²;
Primary rated current: 350 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.: 216-413
Ferrule; Sleeve for 25 mm² / AWG 4; unin-
sulated; electro-tin plated; electrolytic
copper; gastight crimped; acc. to DIN
46228, Part 1/08.92; silver-colored



Item No.: 216-414
Ferrule; Sleeve for 35 mm² / AWG 2; unin-
sulated; electro-tin plated; electrolytic
copper; gastight crimped; acc. to DIN
46228, Part 1/08.92; silver-colored



Item No.: 216-424
Ferrule; Sleeve for 35 mm² / AWG 2; unin-
sulated; electro-tin plated; electrolytic
copper; gastight crimped; acc. to DIN
46228, Part 1/08.92; silver-colored



Item No.: 216-425
Ferrule; Sleeve for 50 mm² / AWG 1; unin-
sulated; 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; unin-
sulated; 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.: 285-1179
Fixing element; for 185 mm² high-current
terminal blocks; orange

1.1.5 Jumper

1.1.5.1 Jumper



Item No.: 285-1171
Jumper; insulated; gray



1.1.6 Marking

1.1.6.1 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
 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

1.1.6.2 Marking strip

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

1.1.7 Power tap

1.1.7.1 Power tap



Item No.: 285-1175
Power tap; for 185 mm² high-current terminal blocks; 10,00 mm²; gray

1.1.8 Protective warning marker

1.1.8.1 Cover



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



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

1.1.9 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

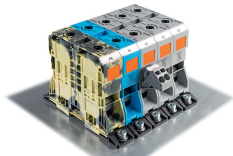
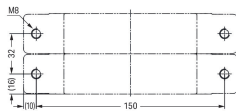
Installation



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