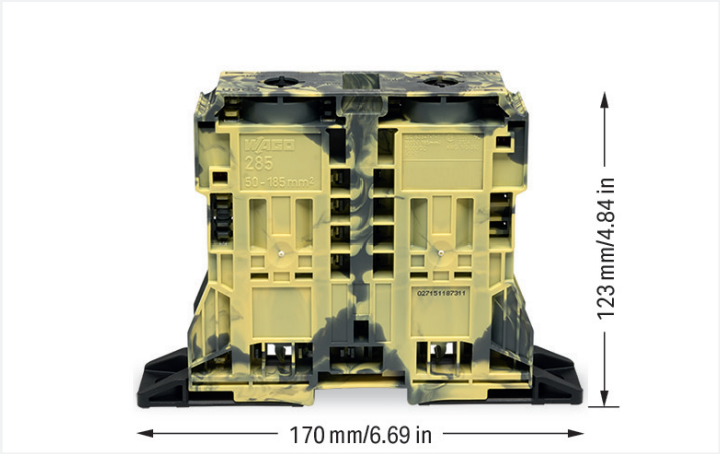
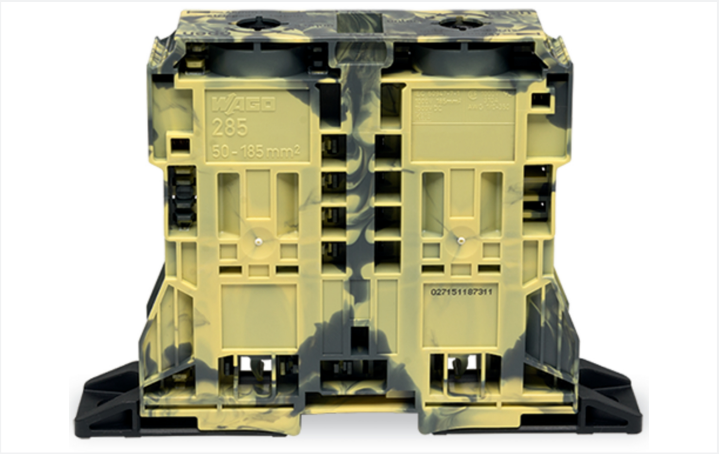
# Data Sheet | Item Number: 285-1167

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 impulse withstand 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 power loss specification | 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 |
| 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 |
| Mounting type | 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

| | |
|---|---|
| PU (SPU) | 4 pcs |
| Packaging type | Box |
| Country of origin | DE |
| GTIN | 4055143424134 |
| 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

| Approval | Standard | Certificate Name |
|---|---|---|
| CCA<br>DEKRA Certification B.V. | EN 60947 | NTR NL 7965 |
| CSA<br>DEKRA Certification B.V. | C22.2 | 154112 |
| KEMA/KEUR<br>DEKRA Certification B.V. | EN 60947 | 71-126013 |
| UL<br>Underwriters Laboratories Inc. | UL 1059 | E45172 |

### Declarations of conformity and manufacturer's declarations

| Approval | Standard | Certificate Name |
|---|---|---|
| EU-Declaration of Conformity<br>WAGO GmbH & Co. KG | - | - |
| UK-Declaration of Conformity<br>WAGO GmbH & Co. KG | - | - |

### Approvals for marine applications

| Approval | Standard | Certificate Name |
|---|---|---|
| ABS<br>American Bureau of Shipping | EN 60947 | 24-0152298-PDA |

## Downloads

### Environmental Product Compliance

**Compliance Search**

Environmental Product Compliance 285-1167


Continued on next page

## Documentation

### Bid Text

| | | | |
|---|---|---|---|
| 285-1167 | 19.02.2019 | xml<br>3.93 KB | |
| 285-1167 | 04.01.2018 | doc<br>25.50 KB | |

## CAD/CAE-Data

### CAD data

2D/3D Models
285-1167

### CAE data

EPLAN Data Portal
285-1167

ZUKEN Portal
285-1167

## 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 Installation

##### 1.1.3.1 Mounting accessories



Item No.: 285-1179
Fixing element; for 185 mm² high-current terminal blocks; orange

 Continued on next page

## 1.1.4 Jumper

### 1.1.4.1 Jumper



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

## 1.1.5 Marking

### 1.1.5.1 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

 Continued on next page

### 1.1.5.2 Marking strip



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

### 1.1.6 Power tap

#### 1.1.6.1 Power tap



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

### 1.1.7 Protective warning marker

#### 1.1.7.1 Cover



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



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

### 1.1.8 Tool

#### 1.1.8.1 Operating tool



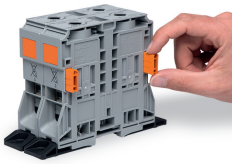
Item No.: 285-172
Allen wrench; with a partially insulated shaft; green



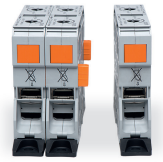
Item No.: 285-173
Allen wrench; with a partially insulated shaft; with anti-rotation protection; green

## Installation Notes

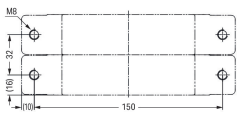
### Installation

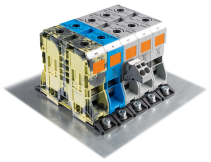


Optionally, insert block-to-block connector (285-1179) into housing slot.



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.