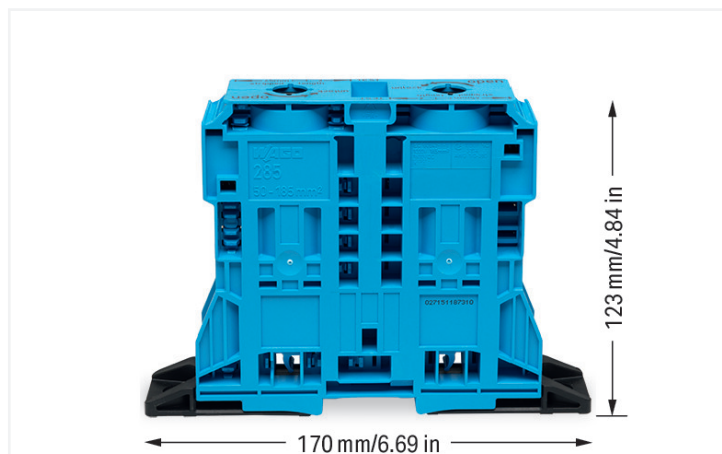


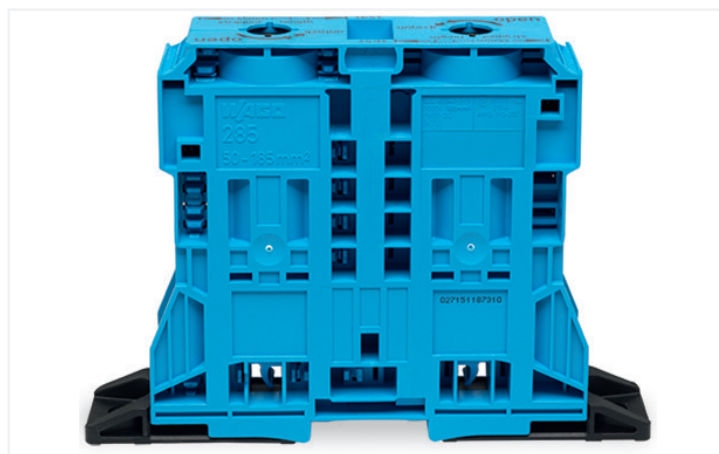
## Data Sheet | Item Number: 285-1164

2-conductor through terminal block; 185 mm<sup>2</sup>; lateral marker slots; with fixing flanges; POWER CAGE CLAMP; 185,00 mm<sup>2</sup>; blue

<https://www.wago.com/285-1164>



Color: ■ blue



## 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 $\Omega$ |

## 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 mm <sup>2</sup> / 350 kcmil                    |
| Solid conductor                                   | 50 ... 185 mm <sup>2</sup> / 1/0 AWG ... 350 kcmil |
| Stranded conductor                                | 50 ... 185 mm <sup>2</sup> / 1/0 AWG ... 350 kcmil |
| Fine-stranded conductor                           | 50 ... 185 mm <sup>2</sup> / 1/0 AWG ... 350 kcmil |
| Fine-stranded conductor; with insulated ferrule   | 50 ... 150 mm <sup>2</sup> / 1/0 AWG ... 300 kcmil |
| Fine-stranded conductor; with uninsulated ferrule | 50 ... 185 mm <sup>2</sup> / 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)        | <a href="https://www.wago.com/us/material-specifications">Information on material specifications can be found here</a> |
| Color                       | blue                                                                                                                   |
| Material group              | I                                                                                                                      |
| Insulation material         | Polyamide (PA66)                                                                                                       |
| Flammability class per UL94 | V0                                                                                                                     |
| Fire load                   | 5.446 MJ                                                                                                               |
| Weight                      | 547.2 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 8.0              | EC000897      |
| ETIM 7.0              | EC000897      |
| PU (SPU)              | 4 pcs         |
| Packaging type        | Box           |
| Country of origin     | DE            |
| GTIN                  | 4055143424158 |
| Customs tariff number | 85369010000   |

| Environmental Product Compliance |                         |
|----------------------------------|-------------------------|
| RoHS Compliance Status           | Compliant, No Exemption |

Approvals / Certificates

| General approvals                                                                                                                                                                                                                                          |                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
|    | <div>UL</div> <div>Underwriters Laboratories Inc.</div> <div>UL 1059</div> <div>E45172</div> |

| 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        |



Declarations of conformity and manufacturer's declarations

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

Approvals for marine applications



| Approval                                | Standard | Certificate Name |
|-----------------------------------------|----------|------------------|
| ABS<br>American Bureau of Ship-<br>ping | EN 60947 | 20-HG1941090-PDA |

Downloads

Environmental Product Compliance

| Compliance Search                            |
|----------------------------------------------|
| Environmental Product<br>Compliance 285-1164 |



Documentation

| Additional Information |
|------------------------|
| Technical Section      |

pdf  
2240.62 KB



| Bid Text        |
|-----------------|
| 285-1164        |
| 19.02.2019      |
| xml<br>3.92 KB  |
| 285-1164        |
| 04.01.2018      |
| doc<br>25.50 KB |



CAD/CAE-Data

| CAD data                 |
|--------------------------|
| 2D/3D Models<br>285-1164 |



| CAE data                      |
|-------------------------------|
| EPLAN Data Portal<br>285-1164 |
| ZUKEN Portal<br>285-1164      |



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

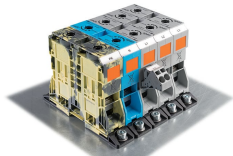
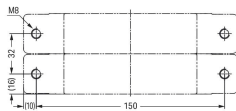
Installation



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.