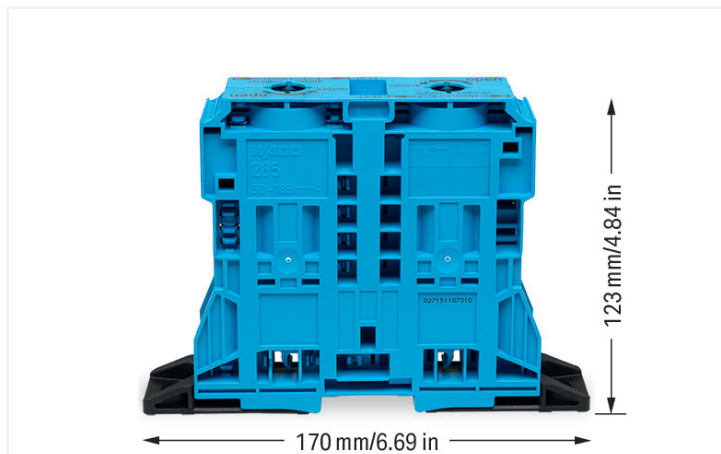


## Data Sheet | Item Number: 285-1164

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

High-current terminal block, 285 Series, t-wrench und 8 mm

Our through terminal block (item number 285-1164) makes connections quick and easy. Strip lengths must be between 45 and 47 mm when connecting conductors to this through terminal block. This product features conductor terminals and utilizes POWER CAGE CLAMP. Our POWER CAGE CLAMP connection technology is the perfect choice when it comes to securely connecting large conductor cross-sections. This universal connector is reliable and maintenance-free. Unlike other connections methods, you do not need to crimp the ferrule or use a torque wrench. This makes it nice and easy to use. This through terminal block is suitable for conductor cross sections ranging from 50 mm<sup>2</sup> to 185 mm<sup>2</sup>.

### Electrical data

Ratings per	IEC/EN 60947-7-1		
Overtoltage 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 $\Omega$

General information	
Voltage type 1	AC/DC
Voltage type 2	DC
Wiring direction	Side-entry wiring

### 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 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
Mounting type	Panel mounting
Marking level	Side marking

### Material data

Note (material data)	<a href="#">Information on material specifications can be found here</a>
Color	blue
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	4.592 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	4055143424158
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 10.0	EC000897
ECCN	NO US CLASSIFICATION

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 CSA Group	C22.2	1151144	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
KEMA/KEUR DEKRA Certification B.V.	EN 60947	71-126013			

### Approvals for marine applications

		
Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	EN 60947	24-0152298-PDA

### Downloads

Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 285-1164	<a href="#">↓</a>

## Documentation

Bid Text			
285-1164	19.02.2019	xml 3.92 KB	<a href="#">↓</a>
285-1164	04.01.2018	doc 25.50 KB	<a href="#">↓</a>

## CAD/CAE-Data

CAD data	
2D/3D Models 285-1164	<a href="#">↓</a>

CAE data	
EPLAN Data Portal 285-1164	<a href="#">↓</a>
ZUKEN Portal 285-1164	<a href="#">↓</a>

## 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.: [216-445](#)**

Ferrule; uninsulated; electro-tin plated

## 1.1.4 Installation

### 1.1.4.1 Mounting accessories



**Item No.: 285-1179**

Fixing element; for 185 mm<sup>2</sup> 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 mm<sup>2</sup> high-current terminal blocks; 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

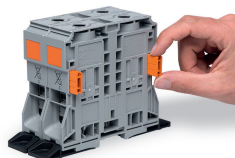


**Item No.: 285-173**

Allen wrench; with a partially insulated shaft; with anti-rotation protection; green

## Installation Notes

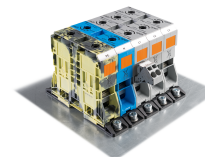
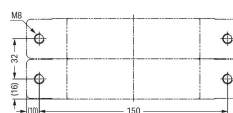
### Installation



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.