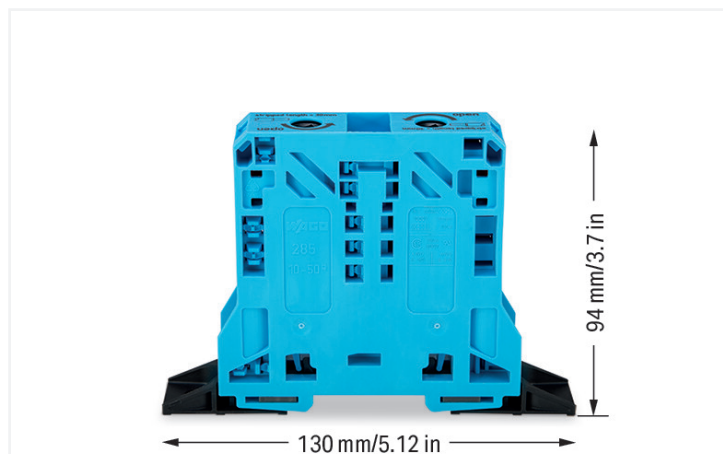


## Data Sheet | Item Number: 285-144

2-conductor through terminal block; 50 mm<sup>2</sup>; lateral marker slots; with fixing flanges; POWER CAGE CLAMP; 50,00 mm<sup>2</sup>; blue

<https://www.wago.com/285-144>



Color: ■ blue

High-current terminal block, 285 Series, power cage clamp

Connecting conductors is quick and easy with this through terminal block (item number 285-144). Ensure that the strip lengths are 32 mm when connecting conductors to this through terminal block. This product features conductor terminals and utilizes POWER CAGE CLAMP. The POWER CAGE CLAMP is a reliable, maintenance-free, and universal way to connect large conductor cross-sections. It's also suitable for all conductor types. The clamping point can be locked open and you do not need to use a torque wrench or prepare the conductor in any way, e.g., by crimping the ferrule. Depending on the conductor type, this through terminal block is suitable for conductor cross sections ranging from 10 mm<sup>2</sup> to 50 mm<sup>2</sup>.

### 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	8 kV	-	-
Rated current	150 A	-	-

Approvals per	UL 1059		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	150 A	150 A	-

Approvals per	CSA 22.2 No 158		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	150 A	-	-

Power Loss	
Power loss, per pole (potential)	4.725 W
Rated current I <sub>N</sub> for power loss specification	150 A
Resistance value for specified, current-dependent power loss	0.0001 Ω

### General information

Wiring direction	Side-entry wiring
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### 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	50 mm <sup>2</sup>
Solid conductor	10 ... 50 mm <sup>2</sup> / 8 ... 1/0 AWG
Stranded conductor	10 ... 70 mm <sup>2</sup> / 8 ... 2/0 AWG
Fine-stranded conductor	10 ... 70 mm <sup>2</sup> / 8 ... 2/0 AWG
Fine-stranded conductor; with insulated ferrule	10 ... 50 mm <sup>2</sup> / 8 ... 1/0 AWG
Fine-stranded conductor; with uninsulated ferrule	10 ... 50 mm <sup>2</sup> / 8 ... 1/0 AWG
Strip length	32 mm / 1.26 inches
Wiring direction	Side-entry wiring

### Physical data

Width	20 mm / 0.787 inches
Height from the surface	94 mm / 3.7 inches
Depth	130 mm / 5.118 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	1.668 MJ
Weight	164.5 g

### Environmental requirements

Processing temperature	-35 ... +85 °C
Continuous operating temperature	-60 ... +105 °C

### Commercial data

PU (SPU)	5 pcs
Packaging type	Box
Country of origin	PL
GTIN	4055143608312
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
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**Approvals / Certificates**

**General approvals** **Declarations of conformity and manufacturer's declarations**



Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60947	NTR NL-7707
CSA CSA Group	C22.2	1151144
KEMA/KEUR DEKRA Certification B.V.	EN 60947	71-105562

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

**Approvals for marine applications**



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

**Downloads**

**Environmental Product Compliance**

Compliance Search
Environmental Product Compliance 285-144

## Documentation

Bid Text			
285-144	19.02.2019	xml 3.30 KB	<a href="#">↓</a>
285-144	04.01.2018	doc 23.50 KB	<a href="#">↓</a>

## CAD/CAE-Data

CAD data	CAE data
2D/3D Models 285-144 <a href="#">↓</a>	EPLAN Data Portal 285-144 <a href="#">↓</a>
	ZUKEN Portal 285-144 <a href="#">↓</a>

## 1 Compatible Products

### 1.1 Optional Accessories

#### 1.1.1 Cover

##### 1.1.1.1 Cover



**Item No.: 285-441**

Finger guard; touchproof cover protects unused conductor entries and jumper slots; for 50 mm<sup>2</sup> high-current tbs; yellow

#### 1.1.2 Current and voltage tap

##### 1.1.2.1 Current and voltage tap



**Item No.: 855-501/150-000**

Current and voltage tap up to 50 mm<sup>2</sup>; Primary rated current: 150 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.: 216-3427**

Ferrule; Sleeve for 25 mm<sup>2</sup> / AWG 4; un-insulated; electro-tin plated; electrolytic copper; acc. to DIN 46228, Part 1/08.92



**Item No.: 216-3112**

Ferrule; Sleeve for 35 mm<sup>2</sup> / AWG 2; un-insulated; electro-tin plated; electrolytic copper; acc. to DIN 46228, Part 1/08.92



**Item No.: 216-424**

Ferrule; Sleeve for 35 mm<sup>2</sup> / AWG 2; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92; silver-colored



**Item No.: 216-3113**

Ferrule; Sleeve for 50 mm<sup>2</sup> / AWG 1; un-insulated; electro-tin plated; electrolytic copper; acc. to DIN 46228, Part 1/08.92



**Item No.: 216-425**

Ferrule; Sleeve for 50 mm<sup>2</sup> / AWG 1; un-insulated; electro-tin plated; electrolytic copper; acc. to DIN 46228, Part 1/08.92

## 1.1.4 Installation

### 1.1.4.1 Mounting accessories



**Item No.: 285-448**

Fixing element; for 50 mm<sup>2</sup> high-current terminal blocks; orange

## 1.1.5 Jumper

### 1.1.5.1 Jumper



**Item No.: 285-450**

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 Marker carrier



**Item No.: 285-442**

Adaptor; gray

### 1.1.7 Power tap

#### 1.1.7.1 Power tap



**Item No.: 285-447**

Power tap; for 50 mm<sup>2</sup> high-current tbs;  
Module width 16 mm; gray

### 1.1.8 Protective warning marker

#### 1.1.8.1 Cover



**Item No.: 285-440**

Protective warning marker; with high-voltage symbol, black; yellow



**Item No.: 285-449**

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



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



Optionally, insert block-to-block connector (285-448) into housing slot.

