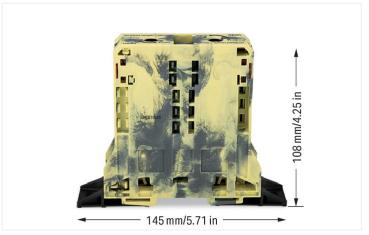
## Data Sheet | Item Number: 285-187

2-conductor through terminal block; 95 mm<sup>2</sup>; lateral marker slots; with fixing flanges; POWER CAGE CLAMP; 95,00 mm<sup>2</sup>; dark gray-yellow

https://www.wago.com/285-187







Color: dark gray/yellow

Through terminal block, 285 Series, power cage clamp

Our through terminal block (item number 285-187) is the perfect way to connect conductors quickly and securely. Ensure that the strip lengths are 35 mm when connecting conductors to this through terminal block. Featuring conductor terminals along with POWER CAGE CLAMP, this connector 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 conductor type, this through terminal block is designed for conductor cross sections ranging from 25 mm<sup>2</sup> to 95 mm<sup>2</sup>. It has one level. You can connect a single potential using the two clamping points. 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..

> Approvals per Use group

Voltage type 2

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	232 A	_	-	

Ratings per IEC/EN 2	
Rated voltage (III/3)	1500 V
Rated impulse withstand voltage (III/3)	12 kV

CSA 22.2 No 158

С

Approvals per		UL 1059	
Use group	В	С	D
Rated voltage	600 V	600 V	-
Rated current	200 A	200 A	-

Rated voltage	1000 V	1000 V	-
Rated current	210 A	-	-
General information			
Voltage type 1	AC/DC		

DC

В

Power Loss	
Power loss, per pole (potential)	7.5354 W
Rated current $I_N$ for specified power loss	232 A
Resistance value for specified, current- dependent power loss	0.00014 Ω



onnection data				
Clamping units	2		Connection 1	
Total number of potentials	1		Connection technology	POWER CAGE CLAMP
Number of levels	1		Actuation type	T-wrench; 8 mm
Number of jumper slots 2	Connectable conductor materials	Copper		
	Nominal cross-section	95 mm²		
		Solid conductor	25 95 mm² / 4 4/0 AWG	
		Stranded conductor	25 95 mm² / 4 4/0 AWG	
			Fine-stranded conductor	25 95 mm² / 4 4/0 AWG
	Fine-stranded conductor; with insulated ferrule	25 95 mm² / 4 4/0 AWG		
	Fine-stranded conductor; with uninsulated ferrule	25 95 mm² / 4 4/0 AWG		
		Strip length	35 mm / 1.38 inches	
		Wiring direction	Side-entry wiring	

Physical data	
Width	25 mm / 0.984 inches
Height from the surface	108 mm / 4.252 inches
Depth	145 mm / 5.709 inches

Mechanical data	
Mounting type	Mounting flange 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	0.956 MJ
Weight	268.2 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 9.0	EC000897
ETIM 8.0	EC000897
PU (SPU)	5 pcs
Packaging type	Box
Country of origin	PL
GTIN	4055143583954
Customs tariff number	85369010000

https://www.wago.com/285-187



## **Environmental Product Compliance**

RoHS Compliance Status Compliant, No Exemption

# Approvals / Certificates

# General approvals







Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60947	NTR NL-7707
CSA DEKRA Certification B.V.	C22.2	154112
KEMA/KEUR DEKRA Certification B.V.	EN 60947	71-105562
UL Underwriters Laboratories Inc.	UL 1059	E45172

## Declarations of conformity and manufacturer's declarations

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

# Approvals for marine applications





Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	EN 60947	20-HG1941090-PDA
DNV GL Det Norske Veritas, Ger- manischer Lloyd	-	TAE00001V2

# Downloads

## **Environmental Product Compliance**

# Compliance Search

**Environmental Product** Compliance 285-187



## Documentation

**Additional Information** 

pdf 2246.92 KB **Technical Section** 

Bid Text			
285-187	19.02.2019	xml 3.20 KB	<u>↓</u>
285-187	04.01.2018	doc 23.50 KB	<u>↓</u>

# Data Sheet | Item Number: 285-187

https://www.wago.com/285-187



# 

# 1 Compatible Products 1.1 Optional Accessories 1.1.1 Cover 1.1.1.1 Cover Item No::285-169 Finger guard; touchproof cover protects unused conductor entries and jumper slots; for 95 mm² high-current tbs; yellow

## 1.1.2 Current and voltage tap

# 1.1.2.1 Current and voltage tap



## Item No.: 855-951/250-000

Current and voltage tap up to 95 mm²; Primary rated current: 250 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.: 216-435

Ferrule; Sleeve for 50 mm² / AWG 1; uninsulated; 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.: 285-168

Fixing element; for 95 mm² high-current terminal blocks; orange



## 1.1.5 Jumper

## 1.1.5.1 Jumper



Item No.: 285-495 Jumper; insulated; gray

## 1.1.6 Marking

## 1.1.6.1 Group marker carrier



Item No.: 249-105

Group marker carrier; gray

## 1.1.6.2 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.: 793-5501/000-017

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

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.: 793-501/000-023

WMB marking card; as card; not stretchable; plain; snap-on type; green



## Item No.: 793-501/000-024

WMB marking card; as card; not stretchable; plain; snap-on type; violet



# 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.: 2009-115/000-005

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red

## 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.: 793-5501/000-012

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.: 793-5501/000-002

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.: 793-501/000-017

WMB marking card; as card; not stretchable; plain; snap-on type; light green



## Item No.: 793-501

WMB marking card; as card; not stretchable; plain; snap-on type; white



## 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.: 2009-115/000-024

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet



## 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.: 793-5501/000-005

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.: 793-501/000-006

WMB marking card; as card; not stretchable; plain; snap-on type; blue



## Item No.: 793-501/000-012

WMB marking card; as card; not stretchable; plain; snap-on type; orange



# Item No.: 793-501/000-002

WMB marking card; as card; not stretchable; plain; snap-on type; yellow



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



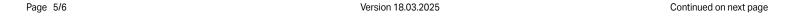
## Item No.: 2009-115

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





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.: 793-5501/000-024

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.: 793-501/000-007 WMB marking card; as card; not stretchable; plain; snap-on type; gray



WMB marking card; as card; not stretchable; plain; snap-on type; red





snap-on type; blue



# Data Sheet | Item Number: 285-187

https://www.wago.com/285-187



## 1.1.6.3 Marker carrier



Item No.: 285-442 Adaptor; gray

## 1.1.7 Power tap

## 1.1.7.1 Power tap



Item No.: 285-407

Power tap; for 95 mm<sup>2</sup> high-current tbs; grav

## 1.1.8 Protective warning marker

## 1.1.8.1 Cover



Item No.: 285-170

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

2019

<u>Item No.: 285-175</u> 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 (285-168) into housing slot.

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

Subject to changes. Please also observe the further product documentation!

Current addresses can be found at::  $\underline{www.wago.com}$ 

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