

Color:  gray/blue/green-yellow

Three-phase set, 285 Series, power cage clamp

Seamless electrical installations are guaranteed with this three-phase set (item number 285-139). Conductors can only be connected to this three-phase set if their strip length is 25 mm. 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. This three-phase set is suitable for conductor cross sections ranging from 6 mm<sup>2</sup> to 35 mm<sup>2</sup>. It has one level. Five potentials can connect using the ten clamping points. The gray/blue/green-yellow housing is made of polyamide (PA66) for insulation. These high-current terminal blocks are mounted using DIN-rails 35 x 15..

#### This item includes:

[Item No.: 285-134](#)

1

[Item No.: 285-135](#)

3

[Item No.: 285-137](#)

1

2-conductor through terminal block; 35 mm<sup>2</sup>; lateral marker slots; only for DIN 35 x 15 rail; POWER CAGE CLAMP; 35,00 mm<sup>2</sup>; blue

2-conductor through terminal block; 35 mm<sup>2</sup>; lateral marker slots; only for DIN 35 x 15 rail; POWER CAGE CLAMP; 35,00 mm<sup>2</sup>; gray

2-conductor ground terminal block; 35 mm<sup>2</sup>; lateral marker slots; only for DIN 35 x 15 rail; POWER CAGE CLAMP; 35,00 mm<sup>2</sup>; green-yellow

#### Electrical data

Ratings per			IEC/EN 60947-7-1			Approvals per			UL 1059		
Overvoltage category	III	III	II			Use group	B	C	D		
Pollution degree	3	2	2			Rated voltage	600 V	600 V	-		
Nominal voltage	1000 V	-	-			Rated current	115 A	115 A	-		
Rated surge voltage	8 kV	-	-								
Rated current	-	-	-								

Approvals per			CSA 22.2 No 158		
Use group	B	C	D		
Rated voltage	600 V	600 V	-		
Rated current	115 A	-	-		

**Connection data**

Clamping units	10
Total number of potentials	5
Number of levels	1

**Connection 1**

Connection technology	POWER CAGE CLAMP
Actuation type	Operating tool
Connectable conductor materials	Copper
Nominal cross-section	35 mm <sup>2</sup>
Solid conductor	6 ... 35 mm <sup>2</sup> / 10 ... 2 AWG
Stranded conductor	6 ... 35 mm <sup>2</sup> / 10 ... 2 AWG
Fine-stranded conductor	6 ... 35 mm <sup>2</sup> / 10 ... 2 AWG
Fine-stranded conductor; with insulated ferrule	6 ... 35 mm <sup>2</sup> / 8 ... 2 AWG
Fine-stranded conductor; with uninsulated ferrule	6 ... 35 mm <sup>2</sup> / 8 ... 2 AWG
Strip length	25 mm / 0.98 inches
Wiring direction	Side-entry wiring

**Physical data**

Width	80 mm / 3.15 inches
Height	86 mm / 3.386 inches
Depth from upper-edge of DIN-rail	63 mm / 2.48 inches

**Mechanical data**

Design	horizontal type
Mounting type	DIN-rail 35 x 15
Mounting (note)	only suitable for DIN 35 x 15 rail
Marking level	Side marking

**Material data**

Note (material data)	<a href="#">Information on material specifications can be found here</a>
Color	gray/blue/green-yellow
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	5.177 MJ
Halogen-free	Yes
Weight	425.7 g

**Environmental requirements**

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

## Commercial data

Product Group	1 (Rail Mounted Terminal Blocks)
eCl@ss 10.0	27-14-11-06
eCl@ss 9.0	27-14-11-06
ETIM 9.0	EC001284
ETIM 8.0	EC001284
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454584252
Customs tariff number	85369010000

## 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	Approval	Standard
CCA DEKRA Certification B.V.	EN 60947	NTR NL-7707	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	- -
CSA DEKRA Certification B.V.	C22.2 No. 158	154112	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	- -
KEMA/KEUR DEKRA Certification B.V.	EN 60947	71-105562		
UL Underwriters Laboratories Inc.	UL 1059	E45172		

## Downloads

### Environmental Product Compliance

Compliance Search
<a href="#">Environmental Product Compliance 285-139</a>



## Documentation

Additional Information	Bid Text
Technical Section	285-139 19.02.2019 xml 3.34 KB
	285-139 04.01.2018 doc 25.00 KB



## CAD/CAE-Data

## CAD data

2D/3D Models 285-139



## CAE data

WSCAD Universe  
285-139

ZUKEN Portal 285-139



## 1 Compatible Products

## 1.1 Optional Accessories

## 1.1.1 Cover

## 1.1.1.1 Cover

[Item No.: 285-421](#)

Finger guard; touchproof cover protects unused conductor entries; for 35 mm<sup>2</sup> high-current tbs; yellow

## 1.1.2 DIN-rail

## 1.1.2.1 Mounting accessories

[Item No.: 210-198](#)

Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored

[Item No.: 210-508](#)

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715; silver-colored

[Item No.: 210-197](#)

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored

[Item No.: 210-506](#)

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715; silver-colored

[Item No.: 210-114](#)

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored

[Item No.: 210-118](#)

Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored

## 1.1.3 Ferrule

## 1.1.3.1 Ferrule

[Item No.: 216-413](#)

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

## 1.1.4 Installation

### 1.1.4.1 Mounting accessories

**Item No.: 249-117**

Screwless end stop; 10 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray

**Item No.: 249-197**

Screwless end stop; 14 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray

## 1.1.5 Jumper

### 1.1.5.1 Jumper

**Item No.: 285-435**

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.: 793-5501/000-014**

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

## 1.1.6.2 Marker



[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

## 1.1.6.3 Marker carrier



[Item No.: 285-442](#)

Adaptor; gray

## 1.1.6.4 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.: 285-427](#)

Power tap; for 35 mm<sup>2</sup> high-current tbs; Module width 8 mm; 6,00 mm<sup>2</sup>; gray

[Item No.: 283-407](#)

Power tap; with 500 mm cable; for 16 mm<sup>2</sup> (283/783 Series) and 35 mm<sup>2</sup>; gray

## 1.1.8 Protective warning marker

### 1.1.8.1 Cover



[Item No.: 285-420](#)

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

## 1.1.9 Test and measurement

### 1.1.9.1 Testing accessories



[Item No.: 283-404](#)

Test plug adapter; 11.6 mm wide; for 4 mm Ø test plugs; gray

1.1.10 Tool

1.1.10.1 Operating tool



[Item No.: 210-721](#)

Operating tool; Blade: 5.5 x 0.8 mm; with a partially insulated shaft; multicoloured