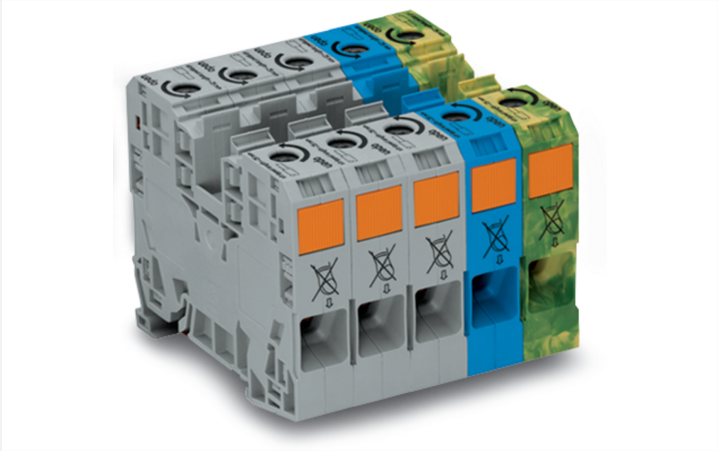
# Data Sheet | Item Number: 285-139

Three phase set; with 35 mm² high-current tbs; only for DIN 35 x 15 rail; copper; 35 mm²; POWER CAGE CLAMP; 35,00 mm²; gray/blue/green-yellow

https://www.wago.com/285-139



Color: gray/blue/green-yellow

High-current terminal block, 285 Series, operating tool

This three-phase set (item number 285-139) is designed for seamless electrical installations. Strip lengths must be 25 mm when connecting conductors to this three-phase set. Featuring conductor terminals along with POWER CAGE CLAMP, this connector outperforms the competition. The POWER CAGE CLAMP is a reliable, maintenance-free, and universal way to connect large conductor cross-sections. You can also use it with 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 mm² to 35 mm².

## This item includes:



Item No.: 285-134 — 1

2-conductor through terminal block; 35 mm²; lateral marker slots; only for DIN 35 x 15 rail; POWER CAGE CLAMP; 35,00 mm²; blue



Item No.: 285-135 — 3

2-conductor through terminal block; 35 mm²; lateral marker slots; only for DIN 35 x 15 rail; POWER CAGE CLAMP; 35,00 mm²; gray



Item No.: 285-137 — 1

2-conductor ground terminal block; 35 mm²; lateral marker slots; only for DIN 35 x 15 rail; POWER CAGE CLAMP; 35,00 mm²; green-yellow

## 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 | - | - | - |

| Approvals per | UL 1059 | | |
|---|---|---|---|
| Use group | B | C | D |
| Rated voltage | 600 V | 600 V | - |
| Rated current | 115 A | 115 A | - |

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

| General information | |
|---|---|
| Wiring direction | Side-entry wiring |

## 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 mm² |
| Solid conductor | 6 … 35 mm² / 10 … 2 AWG |
| Stranded conductor | 6 … 35 mm² / 10 … 2 AWG |
| Fine-stranded conductor | 6 … 35 mm² / 10 … 2 AWG |
| Fine-stranded conductor; with insulated ferrule | 6 … 35 mm² / 8 … 2 AWG |
| Fine-stranded conductor; with uninsulated ferrule | 6 … 35 mm² / 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-35 x 15 rail |
| Mounting (note) | only suitable for DIN 35 x 15 rail |
| Marking level | Side marking |

## Material data

| | |
|---|---|
| Note (material data) | Information on material specifications can be found here |
| Color | gray/blue/green-yellow |
| Material group | I |
| Insulation material (main housing) | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Fire load | 5.443 MJ |
| Halogen-free | Yes |
| Weight | 425.7 g |

## Environmental requirements

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


Continued on next page

## Commercial data

| | |
|---|---|
| Product Group | 1 (Rail Mounted Terminal Blocks) |
| PU (SPU) | 1 pcs |
| Packaging type | Box |
| Country of origin | DE |
| GTIN | 4045454584252 |
| Customs tariff number | 85369010000 |

## Product Classification

| | |
|---|---|
| UNSPSC | 39121410 |
| eCl@ss 10.0 | 27-14-11-06 |
| eCl@ss 9.0 | 27-14-11-06 |
| ETIM 9.0 | EC001284 |
| ETIM 10.0 | EC001284 |
| ECCN | NO US CLASSIFICATION |

## Environmental Product Compliance

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

## Approvals / Certificates

### General approvals

| Approval | Standard | Certificate Name |
|---|---|---|
| CCA<br>DEKRA Certification B.V. | EN 60947 | NTR NL-7707 |
| CSA<br>CSA Group | C22.2 | 1151144 |
| KEMA/KEUR<br>DEKRA Certification B.V. | EN 60947 | 71-105562 |
| UL<br>Underwriters Laboratories Inc. | UL 1059 | 20190731-E45172 |

### Declarations of conformity and manufacturer's declarations

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

## Downloads

### Environmental Product Compliance

**Compliance Search**

Environmental Product Compliance 285-139


Continued on next page

## Documentation

### Bid Text

| | | | |
|---|---|---|---|
| 285-139 | 19.02.2019 | xml<br>3.34 KB | |
| 285-139 | 04.01.2018 | doc<br>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 mm² 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 mm² / AWG 4; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92; silver-colored



Item No.: 216-3464
Ferrule; Sleeve for 35 mm² / AWG 2; insulated; electro-tin plated; electrolytic copper; red



Item No.: 216-3414
Ferrule; Sleeve for 35 mm² / AWG 2; uninsulated; electro-tin plated; electrolytic copper; acc. to DIN 46228, Part 1/08.92; silver-colored



Item No.: 216-414
Ferrule; Sleeve for 35 mm² / 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



Item No.: 285-430
Step-down jumper; from 285 (35mm²) to 2016/2010 series; 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


Continued on next page

### 1.1.6.2 Marker



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

### 1.1.6.3 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 mm² high-current tbs; Module width 8 mm; 6,00 mm²; gray



Item No.: 283-407
Power tap; with 500 mm cable; for 16 mm² (283/783 Series) and 35 mm²; 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


Continued on next page

## 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