

## Data sheet | Item number: 285-148

POWER CAGE CLAMP feedthrough terminal block (Set); with fixing flanges; 2-conductor; 2/0 AWG stranded, 1/0 AWG solid; 100 mm wide (20 mm wide each); multicolored

[www.wago.com/285-148](http://www.wago.com/285-148)



### Item description

Contains:

- 3 x 2-conductor through terminal block; with mounting flanges; 50 mm<sup>2</sup>; gray (285-141)
- 1 x 2-conductor through terminal block; with mounting flanges; 50 mm<sup>2</sup>; blue (285-144)
- 1 x 2-conductor through terminal block; with mounting flanges; 50 mm<sup>2</sup>; dark gray-yellow (285-147)

### Data

#### Electrical data

#### IEC Approvals

| Ratings per                 | IEC/EN 60947-7-1 |
|-----------------------------|------------------|
| Rated voltage (III / 3)     | 1000 V           |
| Rated surge voltage (III/3) | 8 kV             |
| Rated current               | 150 A            |

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

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## UL Approvals

|                                |         |
|--------------------------------|---------|
| Approvals per                  | UL 1059 |
| Rated voltage UL (Use Group B) | 600 V   |
| Rated current UL (Use Group B) | 150 A   |
| Rated voltage UL (Use Group C) | 600 V   |
| Rated current UL (Use Group C) | 150 A   |

## CSA Approvals

|                                 |              |
|---------------------------------|--------------|
| Approvals per                   | C22.2 No 158 |
| Rated voltage CSA (Use Group B) | 600 V        |
| Rated current CSA (Use Group B) | 150 A        |
| Rated voltage CSA (Use Group C) | 600 V        |
| Rated current CSA (Use Group D) | 150 A        |

## Connection data

|                                   |                                           |
|-----------------------------------|-------------------------------------------|
| Connection technology             | POWER CAGE CLAMP                          |
| Actuation type                    | Operating tool                            |
| Connectable conductor materials   | Copper                                    |
| Nominal cross-section             | 2/0 stranded, 1/0 solid                   |
| Solid conductor                   | 10 ... 50 mm <sup>2</sup> / 8 ... 1/0 AWG |
| Stranded conductor                | 10 ... 50 mm <sup>2</sup> / 8 ... 1/0 AWG |
| Fine-stranded conductor           | 10 ... 70 mm <sup>2</sup> / 8 ... 2/0 AWG |
| Strip length                      | 30 mm / 1.18 inch                         |
| Total number of connection points | 10                                        |
| Total number of potentials        | 5                                         |
| Number of levels                  | 1                                         |
| Wiring direction                  | Side-entry wiring                         |

## Physical data

|                         |                     |
|-------------------------|---------------------|
| Width                   | 100 mm / 3.937 inch |
| Height from the surface | 94 mm / 3.7 inch    |
| Depth                   | 130 mm / 5.118 inch |

## Mechanical data

|               |                 |
|---------------|-----------------|
| Design        | horizontal type |
| Mounting type | Mounting flange |

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Marking level

Side marking

**Material data**

|                             |                  |
|-----------------------------|------------------|
| Color                       | multicoloured    |
| Insulation material         | Polyamide (PA66) |
| Flammability class per UL94 | V0               |
| Fire load                   | 0.66 MJ          |
| Weight                      | 824 g            |

**Commercial data**

|                       |               |
|-----------------------|---------------|
| Packaging type        | BOX           |
| Country of origin     | PL            |
| GTIN                  | 4055143656993 |
| Customs tariff number | 8536904000    |

**Approvals / Certificates****Country specific Approvals**

| Logo                                                                               | Approval                              | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|---------------------------------------|--------------------------|------------------|
|  | CCA<br>DEKRA Certification B.V.       | EN 60947                 | NTR NL-7707      |
|  | CSA<br>DEKRA Certification B.V.       | C22.2                    | 1151144          |
|  | KEMA/KEUR<br>DEKRA Certification B.V. | EN 60947                 | 71-101911        |

**Ship Approvals**

| Logo                                                                               | Approval                           | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|------------------------------------|--------------------------|------------------|
|  | ABS<br>American Bureau of Shipping | EN 60947                 | 20-HG1941090-PDA |

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## UL-Approvals

| Logo                                                                             | Approval                             | Additional Approval Text | Certificate name |
|----------------------------------------------------------------------------------|--------------------------------------|--------------------------|------------------|
|  | UL<br>Underwriters Laboratories Inc. | UL 1059                  | E45172           |

## Optional accessories

## Ferrules

|                                                                                    |                                                                                                                                                                                                     |                                                                |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|    | <b>Item no.: 216-109</b><br>Ferrule; Sleeve for 10 mm <sup>2</sup> / AWG 8; uninsulated; electro-tin plated                                                                                         | <a href="http://www.wago.com/216-109">www.wago.com/216-109</a> |
|    | <b>Item no.: 216-110</b><br>Ferrule; Sleeve for 16 mm <sup>2</sup> / AWG 6; uninsulated; electro-tin plated; metallic brown                                                                         | <a href="http://www.wago.com/216-110">www.wago.com/216-110</a> |
|    | <b>Item no.: 216-209</b><br>Ferrule; Sleeve for 10 mm <sup>2</sup> / AWG 8; insulated; electro-tin plated; red                                                                                      | <a href="http://www.wago.com/216-209">www.wago.com/216-209</a> |
|    | <b>Item no.: 216-210</b><br>Ferrule; Sleeve for 16 mm <sup>2</sup> / AWG 6; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue             | <a href="http://www.wago.com/216-210">www.wago.com/216-210</a> |
|  | <b>Item no.: 216-289</b><br>Ferrule; Sleeve for 10 mm <sup>2</sup> / AWG 8; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red              | <a href="http://www.wago.com/216-289">www.wago.com/216-289</a> |
|  | <b>Item no.: 216-414</b><br>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 | <a href="http://www.wago.com/216-414">www.wago.com/216-414</a> |
|  | <b>Item no.: 216-424</b><br>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 | <a href="http://www.wago.com/216-424">www.wago.com/216-424</a> |
|  | <b>Item no.: 216-425</b><br>Ferrule; Sleeve for 50 mm <sup>2</sup> / AWG 1; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92                 | <a href="http://www.wago.com/216-425">www.wago.com/216-425</a> |
|  | <b>Item no.: 216-435</b><br>Ferrule; Sleeve for 50 mm <sup>2</sup> / AWG 1; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92                 | <a href="http://www.wago.com/216-435">www.wago.com/216-435</a> |

## Tools

|                                                                                    |                                                                                                                  |                                                                |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|  | <b>Item no.: 285-172</b><br>Allen wrench; with a partially insulated shaft; green                                | <a href="http://www.wago.com/285-172">www.wago.com/285-172</a> |
|  | <b>Item no.: 285-173</b><br>Allen wrench; with a partially insulated shaft; with anti-rotation protection; green | <a href="http://www.wago.com/285-173">www.wago.com/285-173</a> |

## Cover

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**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

[www.wago.com/285-441](http://www.wago.com/285-441)**Marking accessories**

|                                                                                   |                                                                                                                                                   |                                                                                  |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|    | <b>Item no.: 2009-115</b><br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white               | <a href="http://www.wago.com/2009-115">www.wago.com/2009-115</a>                 |
|    | <b>Item no.: 2009-115/000-002</b><br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow      | <a href="http://www.wago.com/2009-115/000-002">www.wago.com/2009-115/000-002</a> |
|    | <b>Item no.: 2009-115/000-005</b><br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red         | <a href="http://www.wago.com/2009-115/000-005">www.wago.com/2009-115/000-005</a> |
|    | <b>Item no.: 2009-115/000-006</b><br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue        | <a href="http://www.wago.com/2009-115/000-006">www.wago.com/2009-115/000-006</a> |
|    | <b>Item no.: 2009-115/000-007</b><br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray        | <a href="http://www.wago.com/2009-115/000-007">www.wago.com/2009-115/000-007</a> |
|    | <b>Item no.: 2009-115/000-012</b><br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange      | <a href="http://www.wago.com/2009-115/000-012">www.wago.com/2009-115/000-012</a> |
|   | <b>Item no.: 2009-115/000-017</b><br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; light green | <a href="http://www.wago.com/2009-115/000-017">www.wago.com/2009-115/000-017</a> |
|  | <b>Item no.: 2009-115/000-023</b><br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green       | <a href="http://www.wago.com/2009-115/000-023">www.wago.com/2009-115/000-023</a> |
|  | <b>Item no.: 2009-115/000-024</b><br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet      | <a href="http://www.wago.com/2009-115/000-024">www.wago.com/2009-115/000-024</a> |
|  | <b>Item no.: 285-442</b><br>Adaptor; gray                                                                                                         | <a href="http://www.wago.com/285-442">www.wago.com/285-442</a>                   |
|  | <b>Item no.: 793-501</b><br>WMB marking card; as card; not stretchable; plain; snap-on type; white                                                | <a href="http://www.wago.com/793-501">www.wago.com/793-501</a>                   |
|  | <b>Item no.: 793-501/000-002</b><br>WMB marking card; as card; not stretchable; plain; snap-on type; yellow                                       | <a href="http://www.wago.com/793-501/000-002">www.wago.com/793-501/000-002</a>   |
|  | <b>Item no.: 793-501/000-005</b><br>WMB marking card; as card; not stretchable; plain; snap-on type; red                                          | <a href="http://www.wago.com/793-501/000-005">www.wago.com/793-501/000-005</a>   |

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|                                                                                   |                                                                                                                                                           |                                                                                  |
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|    | <b>Item no.: 793-501/000-006</b><br>WMB marking card; as card; not stretchable; plain; snap-on type; blue                                                 | <a href="http://www.wago.com/793-501/000-006">www.wago.com/793-501/000-006</a>   |
|    | <b>Item no.: 793-501/000-007</b><br>WMB marking card; as card; not stretchable; plain; snap-on type; gray                                                 | <a href="http://www.wago.com/793-501/000-007">www.wago.com/793-501/000-007</a>   |
|    | <b>Item no.: 793-501/000-012</b><br>WMB marking card; as card; not stretchable; plain; snap-on type; orange                                               | <a href="http://www.wago.com/793-501/000-012">www.wago.com/793-501/000-012</a>   |
|    | <b>Item no.: 793-501/000-017</b><br>WMB marking card; as card; not stretchable; plain; snap-on type; light green                                          | <a href="http://www.wago.com/793-501/000-017">www.wago.com/793-501/000-017</a>   |
|    | <b>Item no.: 793-501/000-023</b><br>WMB marking card; as card; not stretchable; plain; snap-on type; green                                                | <a href="http://www.wago.com/793-501/000-023">www.wago.com/793-501/000-023</a>   |
|    | <b>Item no.: 793-501/000-024</b><br>WMB marking card; as card; not stretchable; plain; snap-on type; violet                                               | <a href="http://www.wago.com/793-501/000-024">www.wago.com/793-501/000-024</a>   |
|    | <b>Item no.: 793-5501</b><br>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white          | <a href="http://www.wago.com/793-5501">www.wago.com/793-5501</a>                 |
|  | <b>Item no.: 793-5501/000-002</b><br>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; yellow | <a href="http://www.wago.com/793-5501/000-002">www.wago.com/793-5501/000-002</a> |
|  | <b>Item no.: 793-5501/000-005</b><br>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; red    | <a href="http://www.wago.com/793-5501/000-005">www.wago.com/793-5501/000-005</a> |
|  | <b>Item no.: 793-5501/000-006</b><br>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; blue   | <a href="http://www.wago.com/793-5501/000-006">www.wago.com/793-5501/000-006</a> |
|  | <b>Item no.: 793-5501/000-007</b><br>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; gray   | <a href="http://www.wago.com/793-5501/000-007">www.wago.com/793-5501/000-007</a> |
|  | <b>Item no.: 793-5501/000-012</b><br>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; orange | <a href="http://www.wago.com/793-5501/000-012">www.wago.com/793-5501/000-012</a> |
|  | <b>Item no.: 793-5501/000-017</b><br>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; green  | <a href="http://www.wago.com/793-5501/000-017">www.wago.com/793-5501/000-017</a> |
|                                                                                   | <b>Item no.: 793-5501/000-023</b>                                                                                                                         |                                                                                  |

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|                                                                                 |                                                                                                                           |                                                                                  |
|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|  | WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; light green | <a href="http://www.wago.com/793-5501/000-023">www.wago.com/793-5501/000-023</a> |
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|                                                                                 |                                                                                                                                                           |                                                                                  |
|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|  | <b>Item no.: 793-5501/000-024</b><br>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; violet | <a href="http://www.wago.com/793-5501/000-024">www.wago.com/793-5501/000-024</a> |
|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|

#### Protective warning marker

|                                                                                 |                                                                                                |                                                                |
|---------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|  | <b>Item no.: 285-440</b><br>Protective warning marker; with high-voltage symbol, black; yellow | <a href="http://www.wago.com/285-440">www.wago.com/285-440</a> |
|---------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|----------------------------------------------------------------|

|                                                                                 |                                                               |                                                                |
|---------------------------------------------------------------------------------|---------------------------------------------------------------|----------------------------------------------------------------|
|  | <b>Item no.: 285-449</b><br>Protective warning marker; yellow | <a href="http://www.wago.com/285-449">www.wago.com/285-449</a> |
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#### Jumpers

|                                                                                 |                                                     |                                                                |
|---------------------------------------------------------------------------------|-----------------------------------------------------|----------------------------------------------------------------|
|  | <b>Item no.: 285-450</b><br>Jumper; insulated; gray | <a href="http://www.wago.com/285-450">www.wago.com/285-450</a> |
|---------------------------------------------------------------------------------|-----------------------------------------------------|----------------------------------------------------------------|

#### Potential distribution

|                                                                                 |                                                                                                                                 |                                                                |
|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|  | <b>Item no.: 285-447</b><br>Power tap; for 50 mm <sup>2</sup> high-current tbs; Module width 16 mm; 6,00 mm <sup>2</sup> ; gray | <a href="http://www.wago.com/285-447">www.wago.com/285-447</a> |
|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|

## Downloads

### Documentation

#### Bid Text

|             |             |         |          |
|-------------|-------------|---------|----------|
| 285-148     | Jan 4, 2018 | doc     | Download |
| doc - Datei |             | 26.1 kB |          |

|             |              |        |          |
|-------------|--------------|--------|----------|
| 285-148     | Feb 19, 2019 | xml    | Download |
| X81 - Datei |              | 3.4 kB |          |

#### Additional Information

|                        |             |        |          |
|------------------------|-------------|--------|----------|
| Technical explanations | Apr 3, 2019 | pdf    | Download |
|                        |             | 2.2 MB |          |

## Environmental Product Compliance

### Compliance Search

|                                                                                                                                                                      |     |          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------|
| Environmental Product Compliance 285-148                                                                                                                             | URL | Download |
| Three phase set; with 50 mm <sup>2</sup> high-current tbs; with fixing flanges; copper; 50 mm <sup>2</sup> ; POWER CAGE CLAMP; 50,00 mm <sup>2</sup> ; multicoloured |     |          |

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

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## Installation Notes

## Product family

### POWER CAGE CLAMP

[Show all products from the family](#)



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