

## Data Sheet | Item Number: 2716-106

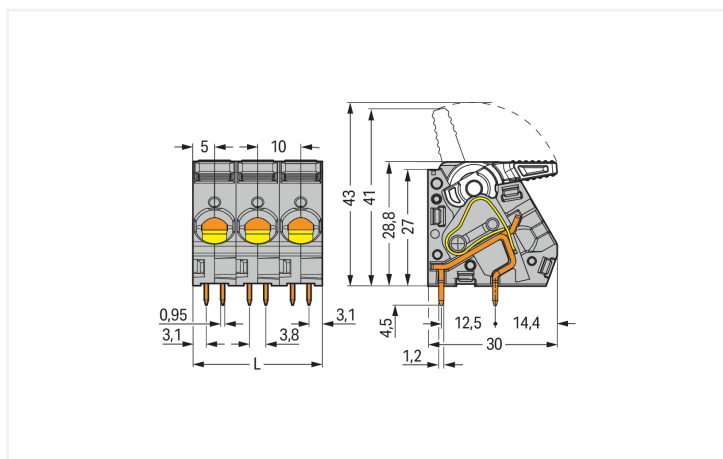
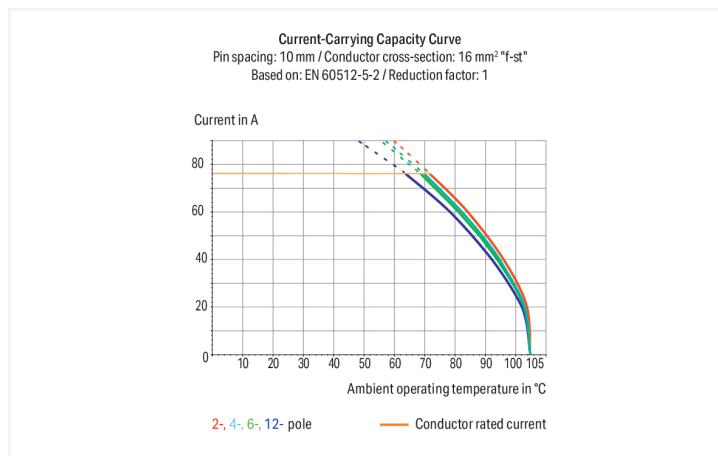
PCB terminal block; lever; 16 mm<sup>2</sup>; Pin spacing 10 mm; 6-pole; CAGE CLAMP®; gray

<https://www.wago.com/2716-106>



Color: ■ gray

Similar to illustration



Dimensions in mm

L = pole no. x pin spacing

### PCB terminal block, 2716 Series, with 10 mm pin spacing

Connect conductors quickly and easily with this PCB terminal block (item number 2716-106). It is a universal connector that can be used practically anywhere, e.g., as a pluggable PCB connector, panel feedthrough header, connector for rail-mount terminal blocks, or a floating connector for different mounting methods. Conductors can only be connected to this PCB terminal block if their strip length is between 12 and 13 mm. Featuring one conductor terminal along with CAGE CLAMP®, this product is highly versatile. Our renowned universal connection known as CAGE CLAMP® is the industry standard for connection technology and electrical interconnections. Dimensions: (60 x 33.3 x 30) mm (width x height x depth). Depending on the type of conductor, this PCB terminal block is ideal for conductor cross sections ranging from 1.5 mm<sup>2</sup> to 16 mm<sup>2</sup>.

The contact surface is coated with tin. This PCB terminal block is operated with a lever. The PCB terminal block is designed for THT soldering. The conductor is designed to be inserted at a 30° angle.



| Notes     |                                                                                                                                                                                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Variants: | Other pole numbers<br>Other colors<br>Mixed-color PCB connector strips<br>Direct marking<br>Other versions (or variants) can be requested from WAGO Sales or configured at <a href="https://configurator.wago.com/">https://configurator.wago.com/</a> . |

| Electrical data                 |  |                |       |       |               |       |         |       |
|---------------------------------|--|----------------|-------|-------|---------------|-------|---------|-------|
| Ratings per                     |  | IEC/EN 60664-1 |       |       | Approvals per |       | UL 1059 |       |
| Overvoltage category            |  | III            | III   | II    | Use group     | B     | C       | D     |
| Pollution degree                |  | 3              | 2     | 2     | Rated voltage | 300 V | 150 V   | 300 V |
| Nominal voltage                 |  | 320 V          | 320 V | 630 V | Rated current | 55 A  | 55 A    | 10 A  |
| Rated impulse withstand voltage |  | 4 kV           | 4 kV  | 4 kV  |               |       |         |       |
| Rated current                   |  | 76 A           | 76 A  | 76 A  |               |       |         |       |

| Connection Data            |   |  |  | Connection 1                                      |                                     |
|----------------------------|---|--|--|---------------------------------------------------|-------------------------------------|
| Clamping units             | 6 |  |  | Connection technology                             | CAGE CLAMP®                         |
| Total number of potentials | 6 |  |  | Actuation type                                    | Lever                               |
| Number of connection types | 1 |  |  | Solid conductor                                   | 1.5 ... 16 mm² / 16 ... 6 AWG       |
| Number of levels           | 1 |  |  | Fine-stranded conductor                           | 1.5 ... 16 mm² / 16 ... 6 AWG       |
|                            |   |  |  | Fine-stranded conductor; with insulated ferrule   | 1.5 ... 10 mm²                      |
|                            |   |  |  | Fine-stranded conductor; with uninsulated ferrule | 1.5 ... 10 mm²                      |
|                            |   |  |  | Strip length                                      | 12 ... 13 mm / 0.47 ... 0.51 inches |
|                            |   |  |  | Conductor connection direction to PCB             | 30 °                                |
|                            |   |  |  | Pole number                                       | 6                                   |

| Physical data           |  |                        |
|-------------------------|--|------------------------|
| Pin spacing             |  | 10 mm / 0.394 inches   |
| Width                   |  | 60 mm / 2.362 inches   |
| Height                  |  | 33.3 mm / 1.311 inches |
| Height from the surface |  | 28.8 mm / 1.134 inches |
| Depth                   |  | 30 mm / 1.181 inches   |
| Solder pin length       |  | 4.5 mm                 |
| Solder pin dimensions   |  | 0.95 x 1.2 mm          |
| !                       |  | 1.6 (+0.1) mm          |

| PCB contact                         |                                          |
|-------------------------------------|------------------------------------------|
| PCB contact                         | THT                                      |
| Solder pin arrangement              | over the entire terminal strip (in-line) |
| Number of solder pins per potential | 4                                        |



| Material data                      |  |                                                                          |
|------------------------------------|--|--------------------------------------------------------------------------|
| Note (material data)               |  | <a href="#">Information on material specifications can be found here</a> |
| Color                              |  | gray                                                                     |
| Material group                     |  | I                                                                        |
| Insulation material (main housing) |  | Polyamide (PA66)                                                         |
| Flammability class per UL94        |  | V0                                                                       |
| Clamping spring material           |  | Chrome-nickel spring steel (CrNi)                                        |
| Contact material                   |  | Electrolytic copper (E <sub>Cu</sub> )                                   |
| Contact Plating                    |  | Tin                                                                      |
| Fire load                          |  | 0.977 MJ                                                                 |
| Weight                             |  | 53.6 g                                                                   |

| Environmental requirements |  |                 |
|----------------------------|--|-----------------|
| Limit temperature range    |  | -60 ... +105 °C |

| Commercial data       |  |                                |
|-----------------------|--|--------------------------------|
| Product Group         |  | 4 (Printed Circuit Connectors) |
| PU (SPU)              |  | 20 pcs                         |
| Packaging type        |  | Box                            |
| Country of origin     |  | PL                             |
| GTIN                  |  | 4045454739300                  |
| Customs tariff number |  | 85369010000                    |

| Product Classification |  |                      |
|------------------------|--|----------------------|
| UNSPSC                 |  | 39121409             |
| eCl@ss 10.0            |  | 27-44-04-01          |
| eCl@ss 9.0             |  | 27-44-04-01          |
| ETIM 9.0               |  | EC002643             |
| ETIM 10.0              |  | EC002643             |
| 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-7131      |
| cURus<br>Underwriters Laboratories Inc. | UL 1059  | E45172           |
| KEMA/KEUR<br>DEKRA Certification B.V.   | EN 60947 | 71-117512        |

Downloads

Environmental Product Compliance

|                                           |
|-------------------------------------------|
| Compliance Search                         |
| Environmental Product Compliance 2716-106 |

Documentation

|                        |
|------------------------|
| Additional Information |
| Technical Section      |
| 03.04.2019             |
| pdf                    |
| 2027.26 KB             |

CAD/CAE-Data

|              |
|--------------|
| CAD data     |
| 2D/3D Models |
| 2716-106     |

|              |
|--------------|
| CAE data     |
| ZUKEN Portal |
| 2716-106     |

PCB Design

|                                          |
|------------------------------------------|
| Symbol and Footprint via SamacSys        |
| 2716-106                                 |
| Symbol and Footprint via Ultra Librarian |
| 2716-106                                 |

1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 Ferrule

|                                                                                                                                                                                         |                                                                                                                                                                                         |                                                                                                                                                                                        |                                                                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                         |                                                                                                                                                                                         |                                                                                                                                                                                        |                                                                                                                                                                                      |
| <a href="#">Item No.: 216-264</a><br>Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black | <a href="#">Item No.: 216-284</a><br>Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black | <a href="#">Item No.: 216-289</a><br>Ferrule; Sleeve for 10 mm² / AWG 8; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red    | <a href="#">Item No.: 216-209</a><br>Ferrule; Sleeve for 10 mm² / AWG 8; insulated; electro-tin plated; red                                                                          |
|                                                                                                                                                                                         |                                                                                                                                                                                         |                                                                                                                                                                                        |                                                                                                                                                                                      |
| <a href="#">Item No.: 216-109</a><br>Ferrule; Sleeve for 10 mm² / AWG 8; un-insulated; electro-tin plated                                                                               | <a href="#">Item No.: 216-266</a><br>Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue  | <a href="#">Item No.: 216-286</a><br>Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue | <a href="#">Item No.: 216-267</a><br>Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray |
|                                                                                                                                                                                         |                                                                                                                                                                                         |                                                                                                                                                                                        |                                                                                                                                                                                      |
| <a href="#">Item No.: 216-287</a><br>Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray    | <a href="#">Item No.: 216-208</a><br>Ferrule; Sleeve for 6 mm² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow  | <a href="#">Item No.: 216-288</a><br>Ferrule; Sleeve for 6 mm² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow | <a href="#">Item No.: 216-108</a><br>Ferrule; Sleeve for 6 mm² / AWG 10; un-insulated; electro-tin plated; silver-colored                                                            |

## 1.1.2 Test and measurement

### 1.1.2.1 Testing accessories



Item No.: 210-136

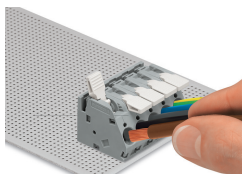
Test plug; 2 mm Ø; with 500 mm cable; red

## Installation Notes

### Conductor termination

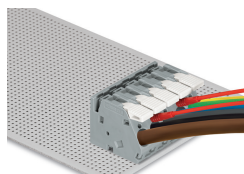


To open the clamping unit, pull the operating lever all the way back — 2706 and 2716 Series.



Inserting/removing a conductor – 2706 and 2716 Series.

## Testing



Testing with test plug – 2706 and 2716 Series.