

## Data Sheet | Item Number: 2706-102/000-016

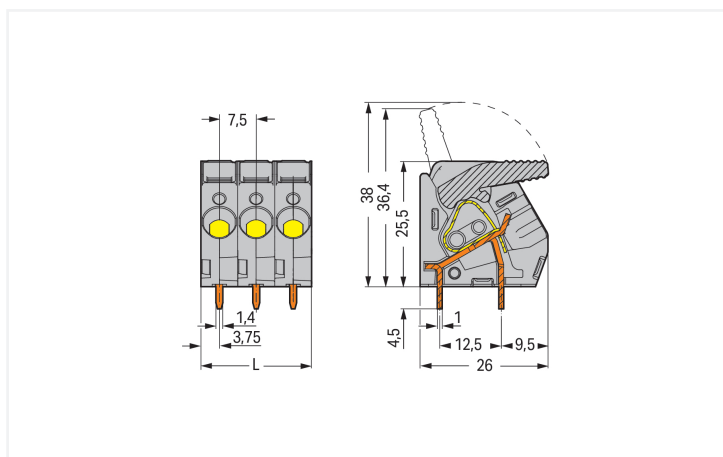
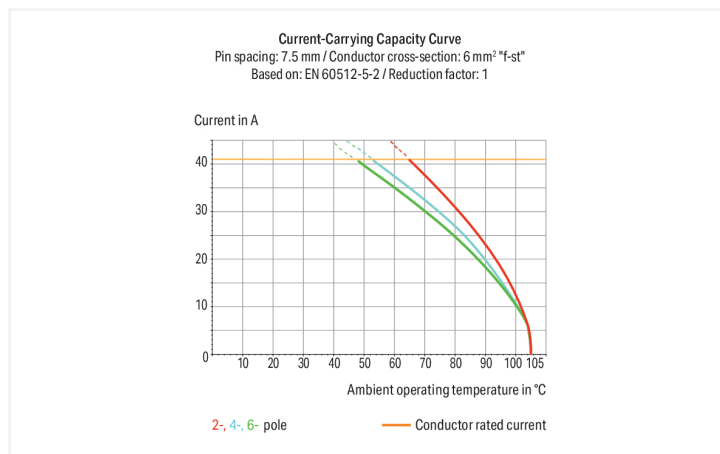
PCB terminal block; lever; 6 mm<sup>2</sup>; Pin spacing 7.5 mm; 2-pole; CAGE CLAMP®; green-yellow

<https://www.wago.com/2706-102/000-016>



Color: ■ green-yellow

Similar to illustration



Dimensions in mm

L = pole no. x pin spacing

### PCB terminal block, 2706 Series, CAGE CLAMP®

Our PCB terminal block (item number 2706-102/000-016) makes connections quick and easy. It is ideal for custom installations with different mounting types. Ensure that the strip lengths are between 11 and 12 mm when connecting conductors to this PCB terminal block. This product features one conductor terminal and utilizes CAGE CLAMP®. Our CAGE CLAMP® connection offers a convenient and maintenance-free way to connect all types of conductors. You do not need to prepare the conductor in any way, such as crimping ferrules. The item's dimensions are (15 x 30 x 26) mm (width x height x depth). This PCB terminal block is suitable for conductor cross sections ranging from 0.5 mm<sup>2</sup> to 6 mm<sup>2</sup>.

Tin is used for coating the contact surfaces. A lever is used to operate this PCB terminal block. THT is used to assemble the PCB terminal block. Insert the conductor into the board 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 |       |        |
| Overvoltage category            |  | III            | III   | II     |
| Pollution degree                |  | 3              | 2     | 2      |
| Nominal voltage                 |  | 500 V          | 630 V | 1000 V |
| Rated impulse withstand voltage |  | 6 kV           | 6 kV  | 6 kV   |
| Rated current                   |  | 41 A           | 41 A  | 41 A   |

| Approvals per |  | UL 1059 |       |       |
|---------------|--|---------|-------|-------|
| Use group     |  | B       | C     | D     |
| Rated voltage |  | 300 V   | 150 V | 300 V |
| Rated current |  | 30 A    | 30 A  | 30 A  |

| Connection Data            |   |
|----------------------------|---|
| Clamping units             | 2 |
| Total number of potentials | 2 |
| Number of connection types | 1 |
| Number of levels           | 1 |

| Connection 1                                      |                                     |
|---------------------------------------------------|-------------------------------------|
| Connection technology                             | CAGE CLAMP®                         |
| Actuation type                                    | Lever                               |
| Solid conductor                                   | 0.5 ... 6 mm² / 20 ... 10 AWG       |
| Fine-stranded conductor                           | 0.5 ... 6 mm² / 20 ... 10 AWG       |
| Fine-stranded conductor; with insulated ferrule   | 0.5 ... 6 mm²                       |
| Fine-stranded conductor; with uninsulated ferrule | 0.5 ... 6 mm²                       |
| Strip length                                      | 11 ... 12 mm / 0.43 ... 0.47 inches |
| Conductor connection direction to PCB             | 30 °                                |
| Pole number                                       | 2                                   |

| Physical data                        |                        |
|--------------------------------------|------------------------|
| Pin spacing                          | 7.5 mm / 0.295 inches  |
| Width                                | 15 mm / 0.591 inches   |
| Height                               | 30 mm / 1.181 inches   |
| Height from the surface              | 25.5 mm / 1.004 inches |
| Depth                                | 26 mm / 1.024 inches   |
| Solder pin length                    | 4.5 mm                 |
| Solder pin dimensions                | 1 x 1.4 mm             |
| Drilled hole diameter with tolerance | 1.8 (+0.1) mm          |

| PCB contact                         |                                          |
|-------------------------------------|------------------------------------------|
| PCB contact                         | THT                                      |
| Solder pin arrangement              | over the entire terminal strip (in-line) |
| Number of solder pins per potential | 2                                        |



| Material data                      |  |                                                                          |
|------------------------------------|--|--------------------------------------------------------------------------|
| Note (material data)               |  | <a href="#">Information on material specifications can be found here</a> |
| Color                              |  | green-yellow                                                             |
| 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                          |  | 0.194 MJ                                                                 |
| Weight                             |  | 10.4 g                                                                   |

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

| Commercial data       |  |                                |
|-----------------------|--|--------------------------------|
| Product Group         |  | 4 (Printed Circuit Connectors) |
| PU (SPU)              |  | 85 pcs                         |
| Packaging type        |  | Box                            |
| Country of origin     |  | PL                             |
| GTIN                  |  | 4050821250661                  |
| 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 |
|---------------------------------|---------------|------------------|
| CSA<br>DEKRA Certification B.V. | C22.2 No. 158 | 2516072          |



|                                                                                                                                                                                |            |                                                                                                                                                                               |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| Downloads                                                                                                                                                                      |            |                                                                                                                                                                               |  |  |
| Environmental Product Compliance                                                                                                                                               |            |                                                                                                                                                                               |  |  |
| Compliance Search                                                                                                                                                              |            |                                                                                                                                                                               |  |  |
| Environmental Product Compliance<br>2706-102/000-016                                                                                                                           |            |                                                                                                                                                                               |  |  |
| Documentation                                                                                                                                                                  |            |                                                                                                                                                                               |  |  |
| Additional Information                                                                                                                                                         |            |                                                                                                                                                                               |  |  |
| Technical Section                                                                                                                                                              | 03.04.2019 | pdf<br>2027.26 KB                                                                                                                                                             |  |  |
| CAD/CAE-Data                                                                                                                                                                   |            |                                                                                                                                                                               |  |  |
| CAD data                                                                                                                                                                       |            | CAE data                                                                                                                                                                      |  |  |
| 2D/3D Models<br>2706-102/000-016                                                                                                                                               |            | ZUKEN Portal<br>2706-102/000-016                                                                                                                                              |  |  |
|                                                                                                                                                                                |            |                                                                                                                                                                               |  |  |
| PCB Design                                                                                                                                                                     |            |                                                                                                                                                                               |  |  |
| Symbol and Footprint<br>via SamacSys<br>2706-102/000-016                                                                                                                       |            |                                                                                                                                                                               |  |  |
| Symbol and Footprint<br>via Ultra Librarian<br>2706-102/000-016                                                                                                                |            |                                                                                                                                                                               |  |  |
| 1 Compatible Products                                                                                                                                                          |            |                                                                                                                                                                               |  |  |
| 1.1 Optional Accessories                                                                                                                                                       |            |                                                                                                                                                                               |  |  |
| 1.1.1 Ferrule                                                                                                                                                                  |            |                                                                                                                                                                               |  |  |
| 1.1.1.1 Ferrule                                                                                                                                                                |            |                                                                                                                                                                               |  |  |
|                                                                                                                                                                                |            |                                                                                                                                                                               |  |  |
| <b>Item No.: 216-262</b><br>Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray |            | <b>Item No.: 216-263</b><br>Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red    |  |  |
|                                                                                                                                                                                |            |                                                                                                                                                                               |  |  |
| <b>Item No.: 216-266</b><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  |            | <b>Item No.: 216-267</b><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   |  |  |
|                                                                                                                                                                                |            |                                                                                                                                                                               |  |  |
| <b>Item No.: 216-208</b><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  |            | <b>Item No.: 216-288</b><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 |  |  |
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## 1.1.2 Test and measurement

### 1.1.2.1 Testing accessories



Item No.: 210-136

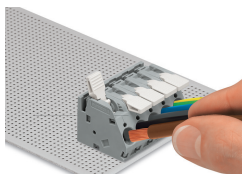
Test plug; 2 mm Ø; with 500 mm cable; red

## Installation Notes

### Conductor termination

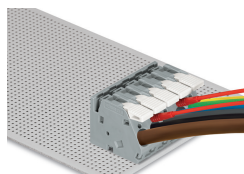


To open the clamping unit, pull the operating lever all the way back — 2706 and 2716 Series.



Inserting/removing a conductor – 2706 and 2716 Series.

## Testing



Testing with test plug – 2706 and 2716 Series.