

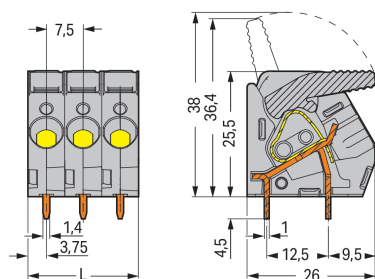
## Data Sheet | Item Number: 2706-104

PCB terminal block; lever; 6 mm<sup>2</sup>; Pin spacing 7.5 mm; 4-pole; CAGE CLAMP®; gray

<https://www.wago.com/2706-104>

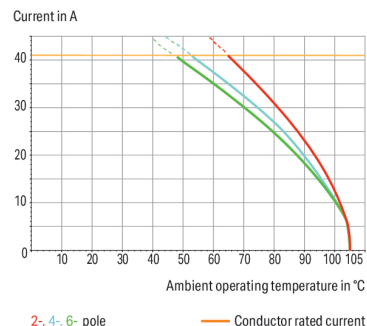


Color: ■ gray



Dimensions in mm  
L = pole no. x pin spacing

Current-Carrying Capacity Curve  
Pin spacing: 7.5 mm / Conductor cross-section: 6 mm<sup>2</sup> "f-st"  
Based on: EN 60512-5-2 / Reduction factor: 1



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

This PCB terminal block (item number 2706-104) streamlines wire connections, making them both quick and easy. It is a universal connector that can be used almost 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. Ensure that the strip lengths are between 11 and 12 mm when connecting conductors to this PCB terminal block. Featuring one conductor terminal along with CAGE CLAMP®, this product outperforms the competition. Our celebrated universal connection known as CAGE CLAMP® is the industry standard when it comes to connection technology and electrical interconnections. The item's dimensions are (30 x 30 x 26) mm (width x height x depth). Depending on the type of conductor, this PCB terminal block is suitable for conductor cross sections ranging from 0.5 mm<sup>2</sup> to 6 mm<sup>2</sup>.

The contact surface is coated with tin. A lever is used to operate this PCB terminal block. THT is used to assemble the PCB terminal block. The conductor is designed to be inserted 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 |       |        | 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                 |  | 500 V          | 630 V | 1000 V | Rated current | 30 A  | 30 A    | 30 A  |
| Rated impulse withstand voltage |  | 6 kV           | 6 kV  | 6 kV   |               |       |         |       |
| Rated current                   |  | 41 A           | 41 A  | 41 A   |               |       |         |       |

| Connection Data            |   |  |  | Connection 1                                      |                                     |
|----------------------------|---|--|--|---------------------------------------------------|-------------------------------------|
| Clamping units             | 4 |  |  | Connection technology                             | CAGE CLAMP®                         |
| Total number of potentials | 4 |  |  | Actuation type                                    | Lever                               |
| Number of connection types | 1 |  |  | Solid conductor                                   | 0.5 ... 6 mm² / 20 ... 10 AWG       |
| Number of levels           | 1 |  |  | 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                                       | 4                                   |

| Physical data           |  |                        |
|-------------------------|--|------------------------|
| Pin spacing             |  | 7.5 mm / 0.295 inches  |
| Width                   |  | 30 mm / 1.181 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             |
| !                       |  | 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                              | 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                          | 0.416 MJ                                                                 |  |
| Weight                             | 20.8 g                                                                   |  |

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

| Commercial data       |                                |  |
|-----------------------|--------------------------------|--|
| Product Group         | 4 (Printed Circuit Connectors) |  |
| PU (SPU)              | 40 pcs                         |  |
| Packaging type        | Box                            |  |
| Country of origin     | PL                             |  |
| GTIN                  | 4050821093008                  |  |
| 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                                                                                                                                                                                                                                                                                                                              |               |             | Declarations of conformity and manufacturer's declarations |          |                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------|------------------------------------------------------------|----------|------------------|
|     |               |             | Approval                                                   | Standard | Certificate Name |
| CCA<br>DEKRA Certification B.V.                                                                                                                                                                                                                                                                                                                | EN 60947      | 2143801.01  | EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG    | -        | -                |
| CCA<br>DEKRA Certification B.V.                                                                                                                                                                                                                                                                                                                | EN 60947-7-4  | NTR NL-7869 | UK-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG    | -        | -                |
| CCA<br>DEKRA Certification B.V.                                                                                                                                                                                                                                                                                                                | EN 60947-7-4  | 71-117469   |                                                            |          |                  |
| CSA<br>DEKRA Certification B.V.                                                                                                                                                                                                                                                                                                                | C22.2 No. 158 | 2516072     |                                                            |          |                  |
| UL<br>UL International Germany<br>GmbH                                                                                                                                                                                                                                                                                                         | UL 1059       | E45172      |                                                            |          |                  |



Downloads

Environmental Product Compliance

|                                           |  |  |  |
|-------------------------------------------|--|--|--|
| Compliance Search                         |  |  |  |
| Environmental Product Compliance 2706-104 |  |  |  |

Documentation

|                        |            |                   |  |
|------------------------|------------|-------------------|--|
| Additional Information |            |                   |  |
| Technical Section      | 03.04.2019 | pdf<br>2027.26 KB |  |

CAD/CAE-Data

|                          |  |
|--------------------------|--|
| CAD data                 |  |
| 2D/3D Models<br>2706-104 |  |

|                          |  |
|--------------------------|--|
| CAE data                 |  |
| ZUKEN Portal<br>2706-104 |  |

|                                                         |  |
|---------------------------------------------------------|--|
| PCB Design                                              |  |
| Symbol and Footprint<br>via SamacSys<br>2706-104        |  |
| Symbol and Footprint<br>via Ultra Librarian<br>2706-104 |  |

1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 Ferrule

|                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><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 | <br><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    | <br><b>Item No.: 216-264</b><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 | <br><b>Item No.: 216-284</b><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 |
| <br><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  | <br><b>Item No.: 216-286</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 | <br><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    | <br><b>Item No.: 216-287</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    |
| <br><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  | <br><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 | <br><b>Item No.: 216-108</b><br>Ferrule; Sleeve for 6 mm² / AWG 10; uninsulated; electro-tin plated; silver-colored                                                                |                                                                                                                                                                                                                                                                         |

## 1.1.2 Test and measurement

### 1.1.2.1 Testing accessories



Item No.: 210-136

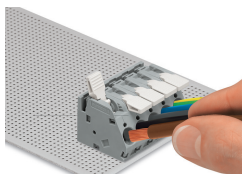
Test plug; 2 mm Ø; with 500 mm cable; red

## Installation Notes

### Conductor termination

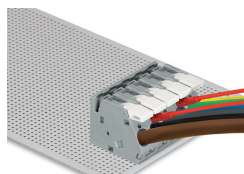


To open the clamping unit, pull the operating lever all the way back — 2706 and 2716 Series.



Inserting/removing a conductor – 2706 and 2716 Series.

## Testing



Testing with test plug – 2706 and 2716 Series.