

## Data Sheet | Item Number: 2706-162

PCB terminal block; lever; 6 mm<sup>2</sup>; Pin spacing 7.5 mm; 12-pole; CAGE CLAMP®; commoning option; gray

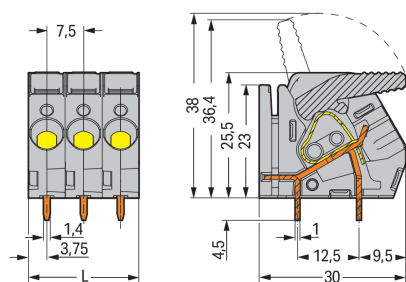
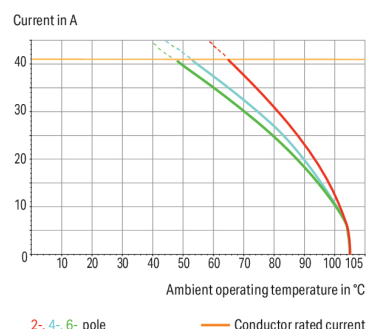
<https://www.wago.com/2706-162>



Color: ■ gray

Similar to illustration

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



Dimensions in mm

L = pole no. x pin spacing

PCB terminal block, 2706 Series, 30° conductor entry to board

Easily, quickly and safely connect conductors with this PCB terminal block (item number 2706-162). It is a universal connector that can be used practically anywhere, for example, as a pluggable PCB connector, panel feedthrough header, connector for rail-mount terminal blocks, or a floating connector for different mounting methods. Strip lengths must be between 11 and 12 mm when connecting conductors to this PCB terminal block. This product incorporates one conductor terminal and utilizes CAGE CLAMP®. Our trusted universal connection known as CAGE CLAMP® is the industry standard when it comes to connection technology and electrical interconnections. Dimensions: (90 x 30 x 30) 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>.

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. Insert the conductor into the board at an angle of 30°.

| Notes              |                                                                                                                                                                                                                                                          |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Safety Information | Using adjacent jumpers, the rated voltage is reduced to 400 V with 7.5 mm pin spacing in Category III/3.                                                                                                                                                 |
| 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     |
| Pollution degree                | 3     | 2              | 2      |  |               | C     |
| Nominal voltage                 | 500 V | 630 V          | 1000 V |  | Rated voltage | 300 V |
| Rated impulse withstand voltage | 6 kV  | 6 kV           | 6 kV   |  |               | 150 V |
| Rated current                   | 41 A  | 41 A           | 41 A   |  | Rated current | 30 A  |
|                                 |       |                |        |  |               | 30 A  |

| Connection Data            |    |                                                   |                                     |
|----------------------------|----|---------------------------------------------------|-------------------------------------|
| Clamping units             | 12 | Connection 1                                      |                                     |
| Total number of potentials | 12 | Connection technology                             | CAGE CLAMP®                         |
| Number of connection types | 1  | Actuation type                                    | Lever                               |
| Number of levels           | 1  | Solid conductor                                   | 0.5 ... 6 mm² / 20 ... 10 AWG       |
| Number of jumper slots     | 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                                       | 12                                  |

| Physical data           |                        |
|-------------------------|------------------------|
| Pin spacing             | 7.5 mm / 0.295 inches  |
| Width                   | 90 mm / 3.543 inches   |
| Height                  | 30 mm / 1.181 inches   |
| Height from the surface | 25.5 mm / 1.004 inches |
| Depth                   | 30 mm / 1.181 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                          | 1.391 MJ                                                                 |  |
| Weight                             | 69 g                                                                     |  |

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

| Commercial data       |                                |  |
|-----------------------|--------------------------------|--|
| Product Group         | 4 (Printed Circuit Connectors) |  |
| PU (SPU)              | 10 pcs                         |  |
| Packaging type        | Box                            |  |
| Country of origin     | PL                             |  |
| GTIN                  | 4050821093213                  |  |
| 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

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Documentation

Additional Information

Technical Section

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1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 Ferrule

|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><a href="#">Item No.: 216-262</a><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><a href="#">Item No.: 216-263</a><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><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 | <br><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 |
| <br><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  | <br><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 | <br><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    | <br><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    |
| <br><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  | <br><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 | <br><a href="#">Item No.: 216-108</a><br>Ferrule; Sleeve for 6 mm² / AWG 10; uninsulated; electro-tin plated; silver-colored                                                                |                                                                                                                                                                                                                                                                                  |

1.1.2 Jumper

1.1.2.1 Jumper



**Item No.: 745-380**  
Jumper; 10-way; unplated; silver-colored



**Item No.: 745-381**  
Jumper; 2-way; unplated; silver-colored



**Item No.: 745-382**  
Jumper; 2-way; unplated; silver-colored



**Item No.: 745-383**  
Jumper; 3-way; silver-colored



**Item No.: 745-384**  
Jumper; 4-way; unplated; silver-colored



**Item No.: 745-385**  
Jumper; 5-way; unplated; silver-colored

1.1.3 Test and measurement

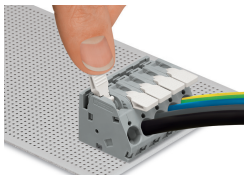
1.1.3.1 Testing accessories



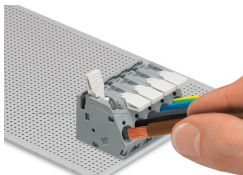
**Item No.: 210-136**  
Test plug; 2 mm Ø; with 500 mm cable; red

Installation Notes

Conductor termination

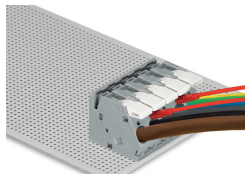


To open the clamping unit, pull the operating lever all the way back — 2706 and 2716 Series.



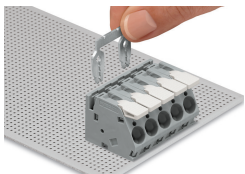
Inserting/removing a conductor – 2706 and 2716 Series.

Testing

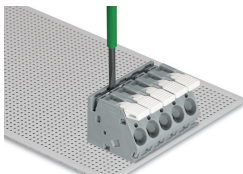


Testing with test plug – 2706 and 2716 Series.

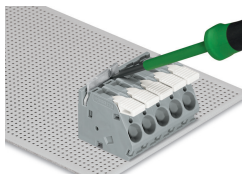
Commoning



Inserting a comb-style jumper bar.



Push jumper bar down firmly using a screwdriver until it hits the backstop – 2706 and 2716 Series.



To remove the comb-style jumper bar, lift it up using a screwdriver – 2706 and 2716 Series.

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

Current addresses can be found at: [www.wago.com](https://www.wago.com)