

Data Sheet | Item Number: 2716-253

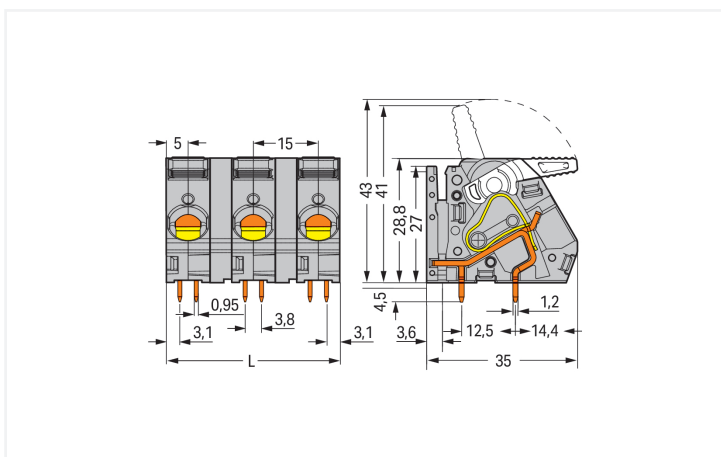
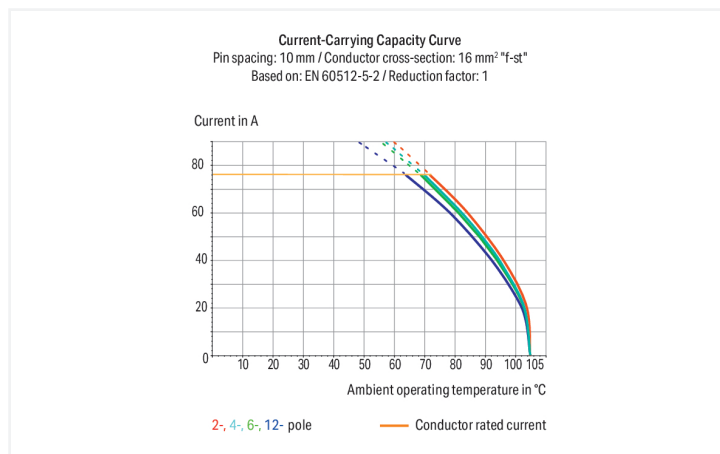
PCB terminal block; lever; 16 mm²; Pin spacing 15 mm; 3-pole; CAGE CLAMP®; commoning option; gray

<https://www.wago.com/2716-253>



Color: ■ gray

Similar to illustration



Dimensions in mm

L = (pole no. x pin spacing) – 5 mm

PCB terminal block, 2716 Series, 30° conductor entry to board

Connect conductors quickly and easily with this PCB terminal block (item number 2716-253). It is perfect for custom installations with different mounting types. Strip lengths must be between 12 and 13 mm when connecting conductors to this PCB terminal block. Featuring one conductor terminal along with CAGE CLAMP®, this product outperforms the competition. Our reliable and maintenance-free CAGE CLAMP® connection makes it easy to connect all types of conductors without having to prepare the conductor. For example, you don't need to crimp ferrules. The item's dimensions are (40 x 33.3 x 35) mm (width x height x depth). This PCB terminal block is suitable for conductor cross sections ranging from 1.5 mm² to 16 mm².

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. The conductor is designed to be inserted into the board at an angle of 30°.

Notes

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

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 | 600 V | 600 V | - |
| Nominal voltage | 800 V | 1000 V | 1000 V | Rated current | 65 A | 65 A | - |
| Rated impulse withstand voltage | 8 kV | 8 kV | 8 kV | | | | |
| Rated current | 76 A | 76 A | 76 A | | | | |

Connection Data

| | | | |
|----------------------------|---|---|---|
| Clamping units | 3 | Connection 1 | |
| Total number of potentials | 3 | Connection technology | CAGE CLAMP® |
| Number of connection types | 1 | Actuation type | Lever |
| Number of levels | 1 | Solid conductor | 1.5 ... 16 mm ² / 16 ... 6 AWG |
| Number of jumper slots | 1 | Fine-stranded conductor | 1.5 ... 16 mm ² / 16 ... 6 AWG |
| | | Fine-stranded conductor; with insulated ferrule | 1.5 ... 10 mm ² |
| | | Fine-stranded conductor; with uninsulated ferrule | 1.5 ... 10 mm ² |
| | | Strip length | 12 ... 13 mm / 0.47 ... 0.51 inches |
| | | Conductor connection direction to PCB | 30° |
| | | Pole number | 3 |

Physical data

| | |
|-------------------------|--------------------------|
| Pin spacing | 15 mm / 0.591 inches |
| Width | 40 mm / 1.575 inches |
| Height | 33.3 mm / 1.311 inches |
| Height from the surface | 28.8 mm / 1.134 inches |
| Depth | 35 mm / 1.378 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) | Information on material specifications can be found here |
| 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 _{Cu}) |
| Contact Plating | Tin |
| Fire load | 0.72 MJ |
| Weight | 36.5 g |

Environmental requirements

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

Commercial data

| | |
|-----------------------|--------------------------------|
| Product Group | 4 (Printed Circuit Connectors) |
| PU (SPU) | 24 pcs |
| Packaging type | Box |
| Country of origin | PL |
| GTIN | 4045454739492 |
| 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 |
|--|----------|------------------|
| cURus Underwriters Laboratories Inc. | UL 1059 | E45172 |

Downloads

Environmental Product Compliance

| | | | |
|---|--|--|---|
| Compliance Search | | | |
| Environmental Product Compliance 2716-253 | | | ↓ |

Documentation

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

CAD/CAE-Data

| | | | |
|-----------------------|--|--|---|
| CAD data | | | |
| 2D/3D Models 2716-253 | | | ↓ |

| | | | |
|-----------------------|--|--|---|
| CAE data | | | |
| ZUKEN Portal 2716-253 | | | ↓ |

| | | | |
|---|--|--|---|
| PCB Design | | | |
| Symbol and Footprint via SamacSys 2716-253 | | | ↓ |
| Symbol and Footprint via Ultra Librarian 2716-253 | | | ↓ |

1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 Ferrule

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

1.1.2 Jumper

1.1.2.1 Jumper



Item No.: [745-632](#)

Jumper; 2-way; silver-colored



Item No.: [745-631](#)

Jumper; 2-way; unplated; silver-colored



Item No.: [745-633](#)

Jumper; 3-way; unplated; silver-colored



Item No.: [745-634](#)

Jumper; 4-way; silver-colored



Item No.: [745-635](#)

Jumper; 5-way; unplated; silver-colored

1.1.3 Test and measurement

1.1.3.1 Testing accessories

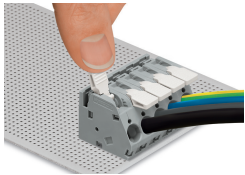


Item No.: [210-136](#)

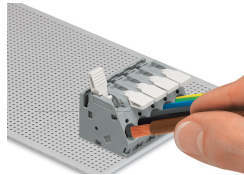
Test plug; 2 mm Ø; with 500 mm cable; red

Installation Notes

Conductor termination

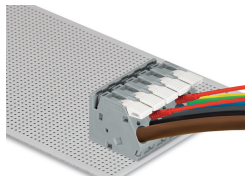


To open the clamping unit, pull the operating lever all the way back — 2706 and 2716 Series.



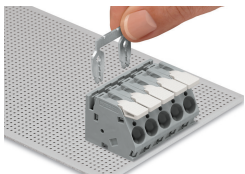
Inserting/removing a conductor – 2706 and 2716 Series.

Testing

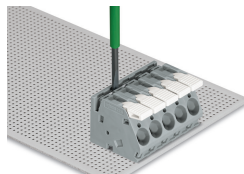


Testing with test plug – 2706 and 2716 Series.

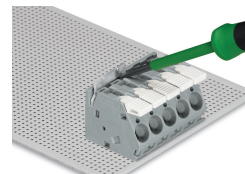
Commoning



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