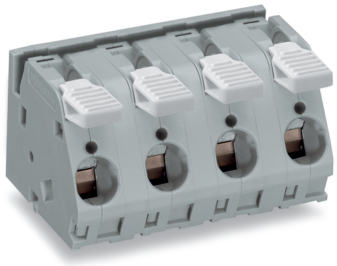
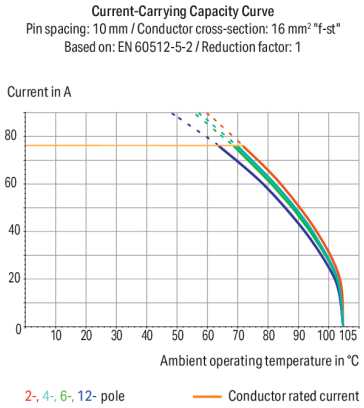
# Data Sheet | Item Number: 2716-255

PCB terminal block; lever; 16 mm²; Pin spacing 15 mm; 5-pole; CAGE CLAMP®; commoning option; gray

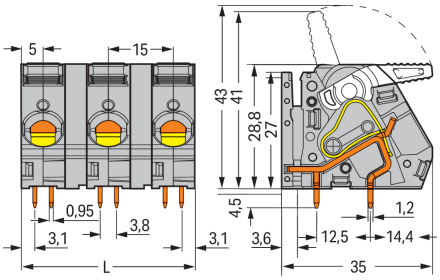
https://www.wago.com/2716-255






Color: gray

Similar to illustration




Dimensions in mm
L = (pole no. x pin spacing) – 5 mm

PCB terminal block, 2716 Series, gray

Our PCB terminal block (item number 2716-255) simplifies electrical installations. 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. Strip lengths must be between 12 and 13 mm when connecting conductors to this PCB terminal block. This product features one conductor terminal and utilizes CAGE CLAMP®. Our tried-and-tested universal connection known as CAGE CLAMP® leads the way when it comes to connection technology and electrical interconnections. The item's dimensions are (70 x 33.3 x 35) mm (width x height x depth). Depending on the conductor type, this PCB terminal block is designed for conductor cross sections ranging from 1.5 mm² to 16 mm².

The contact surface is coated with tin. A lever is used to operate this PCB terminal block. 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 https://configurator.wago.com/. |

## Electrical data

| Ratings per | IEC/EN 60664-1 | | |
|---|---|---|---|
| Overvoltage category | III | III | II |
| Pollution degree | 3 | 2 | 2 |
| Nominal voltage | 800 V | 1000 V | 1000 V |
| Rated impulse withstand voltage | 8 kV | 8 kV | 8 kV |
| Rated current | 76 A | 76 A | 76 A |

| Approvals per | UL 1059 | | |
|---|---|---|---|
| Use group | B | C | D |
| Rated voltage | 600 V | 600 V | - |
| Rated current | 65 A | 65 A | - |

## Connection Data

| | |
|---|---|
| Clamping units | 5 |
| Total number of potentials | 5 |
| Number of connection types | 1 |
| Number of levels | 1 |
| Number of jumper slots | 1 |

### Connection 1

| | |
|---|---|
| Connection technology | CAGE CLAMP® |
| Actuation type | Lever |
| Solid conductor | 1.5 … 16 mm² / 16 … 6 AWG |
| 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 | 5 |

## Physical data

| | |
|---|---|
| Pin spacing | 15 mm / 0.591 inches |
| Width | 70 mm / 2.756 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 | 1.252 MJ |
| Weight | 62.6 g |

## Environmental requirements

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

## Commercial data

| | |
|---|---|
| Product Group | 4 (Printed Circuit Connectors) |
| PU (SPU) | 12 pcs |
| Packaging type | Box |
| Country of origin | PL |
| GTIN | 4045454739515 |
| 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 2716-255

### Documentation

**Additional Information**

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

### CAD/CAE-Data

**CAD data**

2D/3D Models 2716-255

**CAE data**

ZUKEN Portal 2716-255

**PCB Design**

Symbol and Footprint via SamacSys 2716-255

Symbol and Footprint via Ultra Librarian 2716-255

## 1 Compatible Products

### 1.1 Optional Accessories

#### 1.1.1 Ferrule

##### 1.1.1.1 Ferrule



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



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

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

Item No.: 216-209
Ferrule; Sleeve for 10 mm² / AWG 8; insulated; electro-tin plated; red

Item No.: 216-109
Ferrule; Sleeve for 10 mm² / AWG 8; uninsulated; electro-tin plated



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

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

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



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



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

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

Item No.: 216-108
Ferrule; Sleeve for 6 mm² / AWG 10; uninsulated; electro-tin plated; silver-colored

## 1.1.2 Jumper

### 1.1.2.1 Jumper

Item No.: 745-632
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

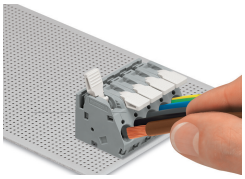
### 1.1.3.1 Testing accessories

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

## Installation Notes

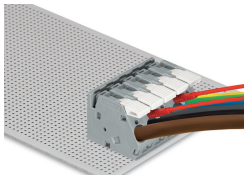
### Conductor termination

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.

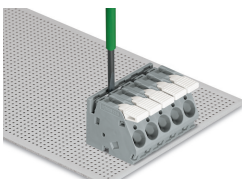
### Testing



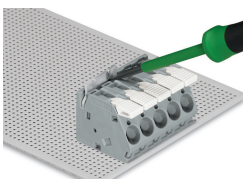
Testing with test plug – 2706 and 2716 Series.

### 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.