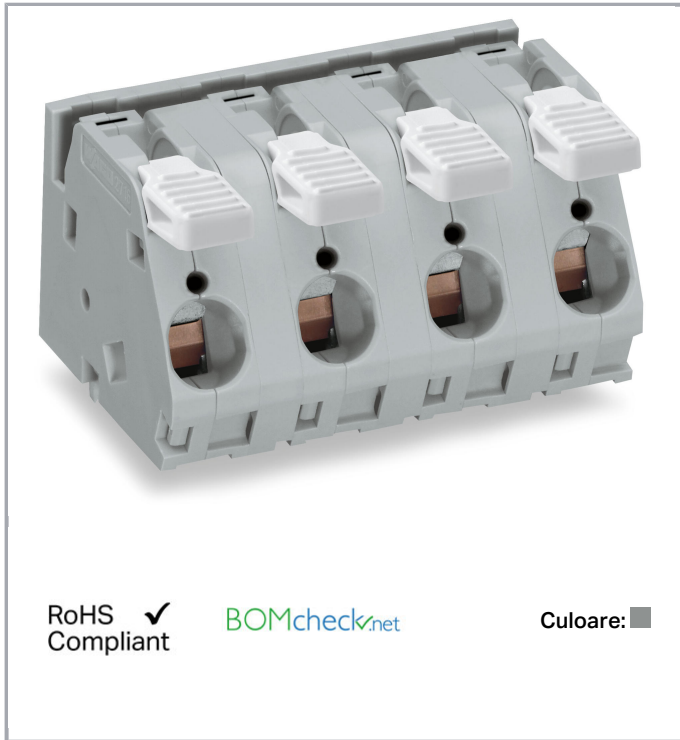


# Fișă tehnică | Număr articol: 2716-254

PCB terminal block; lever; 16 mm<sup>2</sup>; Pin spacing 15 mm; 4-pole; CAGE CLAMP®; commoning option; 16,00 mm<sup>2</sup>; gray



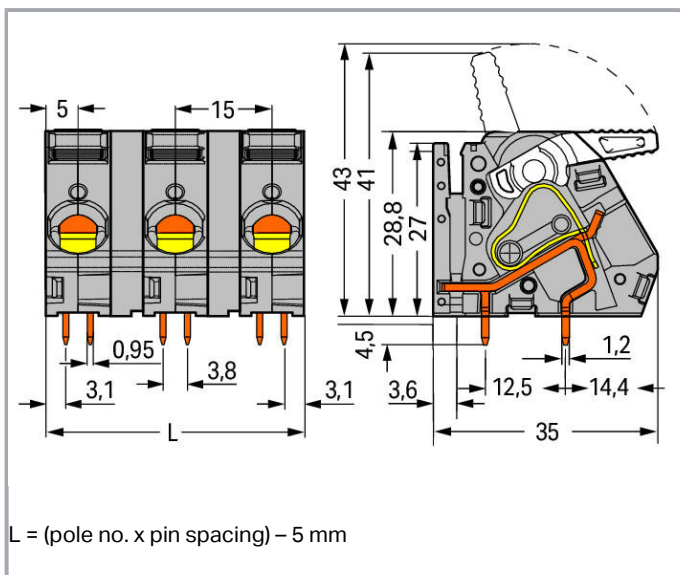
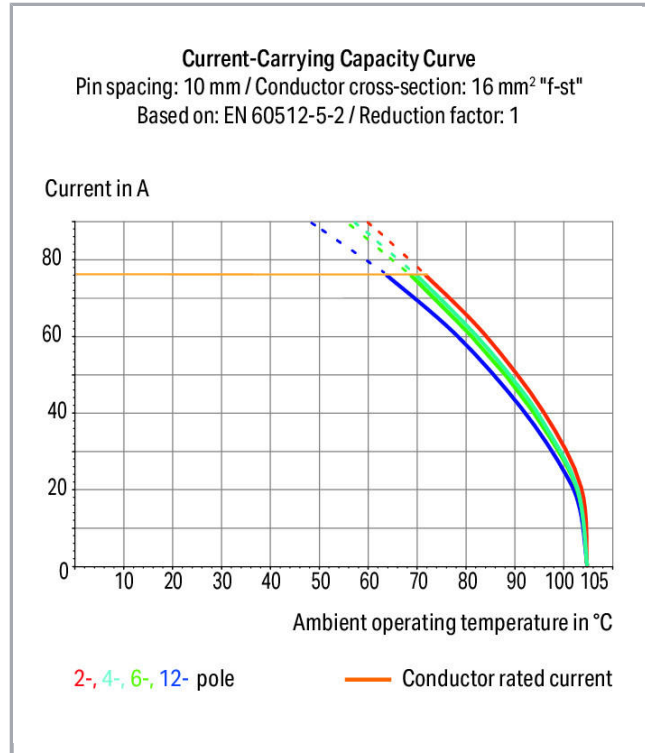
[www.wago.com/2716-254](http://www.wago.com/2716-254)



RoHS Compliant ✓

BOMcheck.net

Culoare: ■



Supus modificărilor.

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/Representative Office Romania  
Sos. Pipera-Tunari nr. 1/1  
building 1, 2nd floor | 077190 Voluntari, Ilfov  
Tel.: +40-(0)31 421 85 68 | Email: info-RO@wago.com

Aveți întrebări despre produsele noastre?  
Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.



## Descriere articol

- High-current PCB terminal strips with lever-actuated CAGE CLAMP® connection
- Tool-free termination – fingers open/close levers
- Several clamping units can be held open simultaneously – convenient for terminating multi-core cables
- Four solder pins per contact point provide high mechanical stability
- 600 V UL for 15 mm pin spacing
- Versions with optional commoning for distributing potentials

## Date

### Electrical data

#### Ratings per IEC/EN 60664-1

| Ratings per                 | IEC/EN 60664-1  |
|-----------------------------|---|
| Nominal voltage (III/3)     | 800 V   |
| Rated surge voltage (III/3) | 8 kV  |
| Rated voltage (III/2)       | 1000 V  |
| Rated surge voltage (III/2) | 8 kV  |
| Nominal voltage (II/2)      | 1000 V  |
| Rated surge voltage (II/2)  | 8 kV  |
| Rated current               | 76 A  |
| Legend (ratings)            | (III / 2) ≙ Overvoltage category III / Pollution degree 2 |

#### Approvals per UL 1059

|                                |         |
|--------------------------------|---------|
| Rated voltage UL (Use Group B) | 600 V   |
| Rated current UL (Use Group B) | 65 A    |
| Rated voltage UL (Use Group C) | 600 V   |
| Rated current UL (Use Group C) | 65 A    |
| Approvals per                  | UL 1059 |

## Connection data

|   |   |
|---|---|
| Connection technology                           | CAGE CLAMP®                               |
| Actuation type                                  | Lever                                     |
| Solid conductor                                 | 1,5 ... 16 mm <sup>2</sup> / 16 ... 6 AWG |
| Fine-stranded conductor                         | 1,5 ... 16 mm <sup>2</sup> / 16 ... 6 AWG |
| Fine-stranded conductor; with insulated ferrule | 1,5 ... 10 mm <sup>2</sup>                |

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|   |                                   |
|---|-----------------------------------|
| Fine-stranded conductor; with uninsulated ferrule | 1,5 ... 10 mm <sup>2</sup>        |
| Strip length                                      | 12 ... 13 mm / 0.47 ... 0.51 inch |
| Conductor connection direction to PCB             | 30°                               |
| Pole No.  | 4                                 |
| Total number of connection points                 | 4                                 |
| Total number of potentials                        | 4                                 |
| Number of connection types                        | 1                                 |
| Number of levels                                  | 1                                 |
| Number of jumper slots                            | 1                                 |

### Geometrical Data

|                                      |                          |
|--------------------------------------|--------------------------|
| Pin spacing                          | 15 mm / 0.591 inch       |
| Width                                | 56,5 mm / 2.224 inch     |
| Height                               | 33,3 mm / 1.311 inch     |
| Height from the surface              | 28,8 mm / 1.134 inch     |
| Depth                                | 35 mm / 1.378 inch       |
| Solder pin length                    | 4,5 mm                   |
| Solder pin dimensions                | 0,95 x 1,2 mm            |
| Drilled hole diameter with tolerance | 1,6 <sup>(+0,1)</sup> 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

|                             |  |
|-----------------------------|--|
| Color                       | gray                                   |
| Material group              | I                                      |
| Insulation material         | Polyamide 66 (PA 66)                   |
| Flammability class per UL94 | V0                                     |
| Clamping spring material    | Chrome nickel spring steel (CrNi)      |
| Contact material            | Electrolytic copper (E <sub>Cu</sub> ) |
| Contact plating             | tin-plated                             |
| Fire load                   | 0,941 MJ                               |
| Weight                      | 49,5 g                                 |

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Aveți întrebări despre produsele noastre?  
 Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.

## Environmental Requirements



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

## Commercial data


|                       |                     |
|-----------------------|---------------------|
| Product Group         | 4 (Printed Circuit) |
| Packaging type        | BOX                 |
| Country of origin     | PL                  |
| GTIN                  | 4045454739508       |
| Customs tariff number | 85369010000         |

## Aprobări / certificate

### Country specific Approvals

| Emblemă  | Aprobare                         | Text de aprobare suplimentar | Nume certificat |
|--|----------------------------------|------------------------------|-----------------|
|    | CCA<br>DEKRA Certification B.V.  | EN 60947                     | NTR NL-7131     |
|   | CSA<br>DEKRA Certification B.V.  | C22.2,C22.2 No. 158          | 1132097         |
|  | ENEC<br>DEKRA Certification B.V. | EN 60947                     | 2160584.29      |

### UL-Approvals

| Emblemă  | Aprobare                                | Text de aprobare suplimentar | Nume certificat |
|--|---|------------------------------|-----------------|
|  | cURus<br>Underwriters Laboratories Inc. | UL 1059                      | E45172, sec. 6  |

## Counterpart

Supus modificărilor.

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Aveți întrebări despre produsele noastre?  
Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.

## Produse compatibile

### check



**Nr. articol: 210-136**

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

[www.wago.com/210-136](http://www.wago.com/210-136)

### ferrule



**Nr. articol: 216-104**

Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; uninsulated; electro-tin plated

[www.wago.com/216-104](http://www.wago.com/216-104)



**Nr. articol: 216-106**

Ferrule; Sleeve for 2.5 mm<sup>2</sup> / AWG 14; uninsulated; electro-tin plated

[www.wago.com/216-106](http://www.wago.com/216-106)



**Nr. articol: 216-107**

Ferrule; Sleeve for 4 mm<sup>2</sup> / AWG 12; uninsulated; electro-tin plated

[www.wago.com/216-107](http://www.wago.com/216-107)



**Nr. articol: 216-108**

Ferrule; Sleeve for 6 mm<sup>2</sup> / AWG 10; uninsulated; electro-tin plated

[www.wago.com/216-108](http://www.wago.com/216-108)



**Nr. articol: 216-109**

Ferrule; Sleeve for 10 mm<sup>2</sup> / AWG 8; uninsulated; electro-tin plated

[www.wago.com/216-109](http://www.wago.com/216-109)



**Nr. articol: 216-124**

Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; uninsulated; electro-tin plated

[www.wago.com/216-124](http://www.wago.com/216-124)



**Nr. articol: 216-144**

Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92

[www.wago.com/216-144](http://www.wago.com/216-144)



**Nr. articol: 216-204**

Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; black

[www.wago.com/216-204](http://www.wago.com/216-204)



**Nr. articol: 216-205**

Ferrule; Sleeve for 2.08 mm<sup>2</sup> / AWG 14; insulated; electro-tin plated; yellow

[www.wago.com/216-205](http://www.wago.com/216-205)



**Nr. articol: 216-206**

Ferrule; Sleeve for 2.5 mm<sup>2</sup> / AWG 14; insulated; electro-tin plated; blue

[www.wago.com/216-206](http://www.wago.com/216-206)



**Nr. articol: 216-207**

Ferrule; Sleeve for 4 mm<sup>2</sup> / AWG 12; insulated; electro-tin plated; gray

[www.wago.com/216-207](http://www.wago.com/216-207)



**Nr. articol: 216-208**

Ferrule; Sleeve for 6 mm<sup>2</sup> / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow

[www.wago.com/216-208](http://www.wago.com/216-208)



**Nr. articol: 216-209**

Ferrule; Sleeve for 10 mm<sup>2</sup> / AWG 8; insulated; electro-tin plated; red

[www.wago.com/216-209](http://www.wago.com/216-209)


















**Nr. articol: 216-224**

Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; black

[www.wago.com/216-224](http://www.wago.com/216-224)

Supus modificărilor.

|  |   |  |
|--|---|--|
|    | <b>Nr. articol: 216-244</b><br>Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black | <a href="http://www.wago.com/216-244">www.wago.com/216-244</a> |
|    | <b>Nr. articol: 216-246</b><br>Ferrule; Sleeve for 2.5 mm <sup>2</sup> / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue  | <a href="http://www.wago.com/216-246">www.wago.com/216-246</a> |
|    | <b>Nr. articol: 216-264</b><br>Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black | <a href="http://www.wago.com/216-264">www.wago.com/216-264</a> |
|    | <b>Nr. articol: 216-266</b><br>Ferrule; Sleeve for 2.5 mm <sup>2</sup> / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue  | <a href="http://www.wago.com/216-266">www.wago.com/216-266</a> |
|    | <b>Nr. articol: 216-267</b><br>Ferrule; Sleeve for 4 mm <sup>2</sup> / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray    | <a href="http://www.wago.com/216-267">www.wago.com/216-267</a> |
|    | <b>Nr. articol: 216-284</b><br>Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black | <a href="http://www.wago.com/216-284">www.wago.com/216-284</a> |
|    | <b>Nr. articol: 216-286</b><br>Ferrule; Sleeve for 2.5 mm <sup>2</sup> / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue  | <a href="http://www.wago.com/216-286">www.wago.com/216-286</a> |
|   | <b>Nr. articol: 216-287</b><br>Ferrule; Sleeve for 4 mm <sup>2</sup> / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray    | <a href="http://www.wago.com/216-287">www.wago.com/216-287</a> |
|  | <b>Nr. articol: 216-288</b><br>Ferrule; Sleeve for 6 mm <sup>2</sup> / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow  | <a href="http://www.wago.com/216-288">www.wago.com/216-288</a> |
|  | <b>Nr. articol: 216-289</b><br>Ferrule; Sleeve for 10 mm <sup>2</sup> / AWG 8; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red     | <a href="http://www.wago.com/216-289">www.wago.com/216-289</a> |
| <b>Jumper</b>  |   |  |
|  | <b>Nr. articol: 745-631</b><br>Comb-style jumper bar; 2-way (1-3)   | <a href="http://www.wago.com/745-631">www.wago.com/745-631</a> |
|  | <b>Nr. articol: 745-632</b><br>Comb-style jumper bar; 2-way   | <a href="http://www.wago.com/745-632">www.wago.com/745-632</a> |
|  | <b>Nr. articol: 745-633</b><br>Comb-style jumper bar; 3-way   | <a href="http://www.wago.com/745-633">www.wago.com/745-633</a> |
|  | <b>Nr. articol: 745-634</b><br>Comb-style jumper bar; 4-way   | <a href="http://www.wago.com/745-634">www.wago.com/745-634</a> |
|  | <b>Nr. articol: 745-635</b><br>Comb-style jumper bar; 5-way   | <a href="http://www.wago.com/745-635">www.wago.com/745-635</a> |

Supus modificărilor.



## Descărcări

### Documentation

#### Additional Information

|                        |             |               |            |
|------------------------|-------------|---------------|------------|
| Technical explanations | Apr 3, 2019 | pdf<br>3,6 MB | Descărcare |
|------------------------|-------------|---------------|------------|

### CAD/CAE-Data

#### CAD data

|                       |     |            |
|-----------------------|-----|------------|
| 2D/3D Models 2716-254 | URL | Descărcare |
|-----------------------|-----|------------|

#### PCB Design

|                               |     |            |
|-------------------------------|-----|------------|
| Symbol and Footprint 2716-254 | URL | Descărcare |
|-------------------------------|-----|------------|

CAX data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment.

#### Supported formats:

- Accel EDA 14 & 15
- Altium 6 to current version
- Cadence Allegro
- DesignSpark
- Eagle Libraries
- KiCad
- Mentor Graphics BoardStation
- Mentor Graphics Design Architect
- Mentor Graphics Design Expedition 99 and 2000
- OrCAD 9.X PCB and Capture
- PADS PowerPCB 3, 3.5, 4.X, and 5.X
- PADS PowerPCB and PowerLogic 3.0
- PCAD 2000, 2001, 2002, 2004, and 2006
- Pulsonix 8.5 or newer
- STL
- 3D STEP
- TARGET 3001!
- View Logic ViewDraw
- Quadcept

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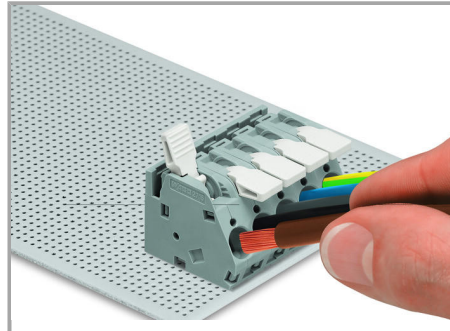
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000

PCB Component Libraries (EDA), PCB CAD Library Ultra Librarian

---

## Installation Notes

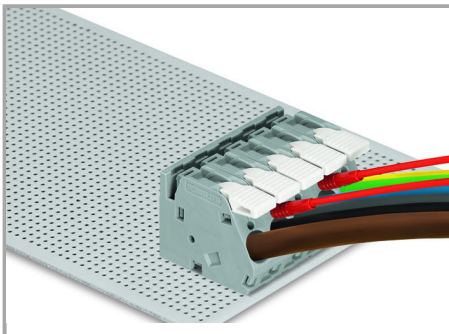
### Conductor termination



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

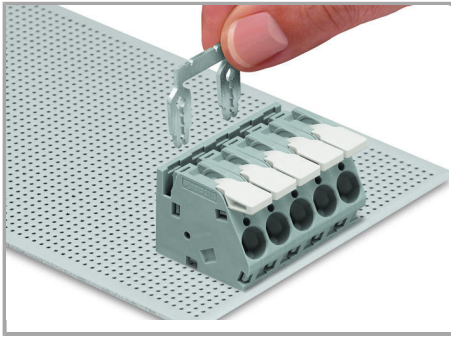


Testing with test plug – 2706 and 2716 Series.

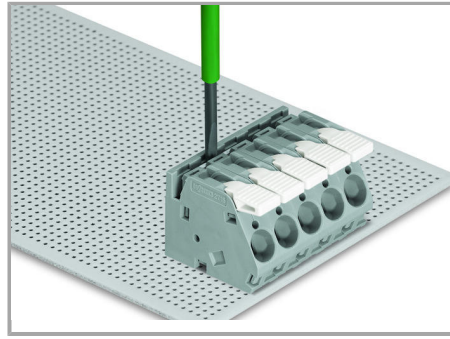
### Commoning

Supus modificărilor.

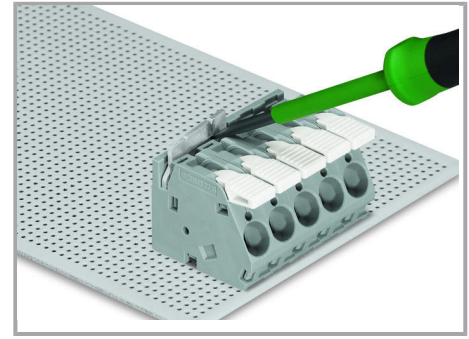




Insert the comb-style jumper bar.



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 und 2716 Series.

Supus modificărilor.