

# Data sheet | Item number: 2716-104

PCB terminal block; lever; 16 mm<sup>2</sup>; Pin spacing 10 mm; 4-pole; CAGE  
CLAMP®



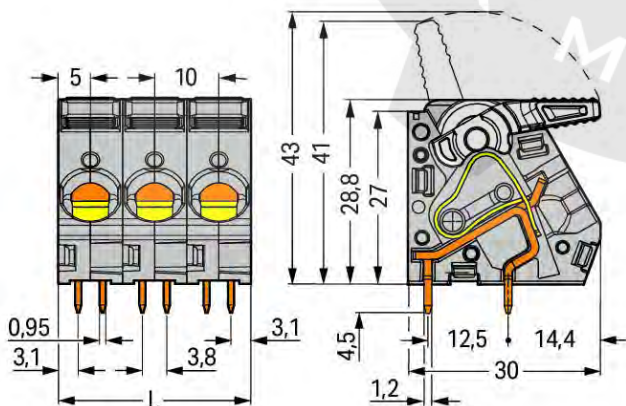
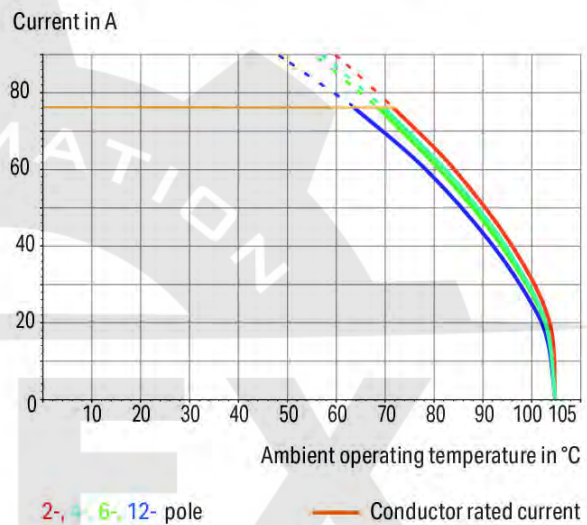
2716-104



RoHS Compliant

Color:

**Current-Carrying Capacity Curve**  
Pin spacing: 10 mm / Conductor cross-section: 16 mm<sup>2</sup> "f-st"  
Based on: EN 60512-5-2 / Reduction factor: 1



L = pole no. x pin spacing

## Item description

- High-current terminal strips with lever-actuated CAGE CLAMP®
- Tool-free opening and closing – fingers open/close levers
- Several clamping units can be held open simultaneously – convenient for terminating multi-core cables
- Four solder pins per contact point for high mechanical stability
- 600V UL for 15mm pin spacing
- Pin and dimensions compatible to high-current, screw-type terminal blocks

## Data

### Electrical data

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

|                                 |       |
|---------------------------------|-------|
| Rated voltage (III / 3)         | 320 V |
| Rated impulse voltage (III / 3) | 4 kV  |
| Rated voltage (III / 2)         | 320 V |
| Rated impulse voltage (III / 2) | 4 kV  |
| Rated voltage (II / 2)          | 630 V |
| Rated impulse voltage (II / 2)  | 4 kV  |
| Rated current                   | 76 A  |

#### Approvals per UL 1059

|                                |       |
|--------------------------------|-------|
| Rated voltage UL (Use Group B) | 300 V |
| Rated current UL (Use Group B) | 55 A  |
| Rated voltage UL (Use Group C) | 150 V |
| Rated current UL (Use Group C) | 55 A  |
| Rated voltage UL (Use Group D) | 300 V |
| Rated current UL (Use Group D) | 10 A  |

### 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 ferrule with plastic collar    | 1.5 ... 10 mm <sup>2</sup>                |
| Fine-stranded conductor with ferrule without plastic collar | 1.5 ... 10 mm <sup>2</sup>                |
| Strip length                                                | 12 ... 13 mm / 0.47 ... 0.51 inch         |
| Conductor entry angle to the PCB                            | 30°                                       |
| No. of poles                                                | 4                                         |
| Total number of connection points                           | 4                                         |



|                            |   |
|----------------------------|---|
| Total number of potentials | 4 |
| Number of connection types | 1 |
| Number of levels           | 1 |

### Geometrical Data

|                                   |                              |
|-----------------------------------|------------------------------|
| Pin spacing                       | 10 mm / 0.394 inch           |
| Width                             | 41.5 mm / 1.634 inch         |
| Height                            | 33.3 mm / 1.311 inch         |
| Height from the surface           | 28.8 mm / 1.134 inch         |
| Depth                             | 30 mm / 1.181 inch           |
| Solder pin length                 | 4.5 mm                       |
| Solder pin dimensions             | 0.95 x 1.2 mm                |
| Drilled hole diameter (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                                      |
| Insulating 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                   | 0.603 MJ                               |
| Weight                      | 35.708 g                               |

### Environmental Requirements

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

### Commercial data

|                    |                     |
|--------------------|---------------------|
| Product Group      | 4 (Printed Circuit) |
| Country of origin  | PL                  |
| GTIN               | 4045454739287       |
| Customs Tariff No. | 85369010000         |

## Approvals / Certificates

### Country specific Approvals

| Logo                                                                             | Approval                                | Additional Approval Text | Certificate name |
|----------------------------------------------------------------------------------|-----------------------------------------|--------------------------|------------------|
|  | <b>CCA</b><br>DEKRA Certification B.V.  | EN 60947                 | NTR NL-7131      |
|  | <b>CSA</b><br>DEKRA Certification B.V.  | C22.2 No. 158            | 1132097          |
|  | <b>ENEC</b><br>DEKRA Certification B.V. | EN 60947                 | 2160584.29       |

### UL-Approvals

| Logo                                                                              | Approval                                       | Additional Approval Text | Certificate name |
|-----------------------------------------------------------------------------------|------------------------------------------------|--------------------------|------------------|
|  | <b>cURus</b><br>Underwriters Laboratories Inc. | UL 1059                  | E45172, sec. 6   |

## Compatible products

### ferrule

|                                                                                   |                                                                                                                                                                                       |         |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
|  | <b>Item no.: 216-104</b><br>Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; uninsulated; electro-tin plated                                                                         | 216-104 |
|  | <b>Item no.: 216-106</b><br>Ferrule; Sleeve for 2.5 mm <sup>2</sup> / AWG 14; uninsulated; electro-tin plated                                                                         | 216-106 |
|  | <b>Item no.: 216-107</b><br>Ferrule; Sleeve for 4 mm <sup>2</sup> / AWG 12; uninsulated; electro-tin plated                                                                           | 216-107 |
|  | <b>Item no.: 216-108</b><br>Ferrule; Sleeve for 6 mm <sup>2</sup> / AWG 10; uninsulated; electro-tin plated                                                                           | 216-108 |
|  | <b>Item no.: 216-109</b><br>Ferrule; Sleeve for 10 mm <sup>2</sup> / AWG 8; uninsulated; electro-tin plated                                                                           | 216-109 |
|  | <b>Item no.: 216-124</b><br>Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; uninsulated; electro-tin plated                                                                         | 216-124 |
|  | <b>Item no.: 216-144</b><br>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 | 216-144 |

|                                                                                   |                                                                                                                                                                         |         |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
|    | <b>Item no.: 216-201</b><br>Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated                                                                         | 216-201 |
|    | <b>Item no.: 216-202</b><br>Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated                                                                        | 216-202 |
|    | <b>Item no.: 216-203</b><br>Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated                                                                           | 216-203 |
|    | <b>Item no.: 216-204</b><br>Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated                                                                         | 216-204 |
|    | <b>Item no.: 216-205</b><br>Ferrule; Sleeve for 2.08 mm² / AWG 14; insulated; electro-tin plated                                                                        | 216-205 |
|    | <b>Item no.: 216-206</b><br>Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated                                                                         | 216-206 |
|    | <b>Item no.: 216-207</b><br>Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated                                                                           | 216-207 |
|    | <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   | 216-208 |
|    | <b>Item no.: 216-209</b><br>Ferrule; Sleeve for 10 mm² / AWG 8; insulated; electro-tin plated                                                                           | 216-209 |
|   | <b>Item no.: 216-224</b><br>Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated                                                                         | 216-224 |
|  | <b>Item no.: 216-244</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 | 216-244 |
|  | <b>Item no.: 216-246</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 | 216-246 |
|  | <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 | 216-264 |
|  | <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 | 216-266 |
|  | <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   | 216-267 |
|  | <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 | 216-284 |
|  | <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 | 216-286 |
|  | <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   | 216-287 |
|                                                                                   | <b>Item no.: 216-288</b>                                                                                                                                                |         |



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

216-288

**Item no.: 216-289**

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

216-289

**check****Item no.: 210-136**

Test plug; 2 mm Ø; with 500 mm cable

210-136

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Subject to changes.