

Data sheet | Item number: 2624-1106

PCB terminal block; 4 mm<sup>2</sup>; Pin spacing 5 mm; 6-pole; Push-in CAGE CLAMP®; 4,00 mm<sup>2</sup>; gray

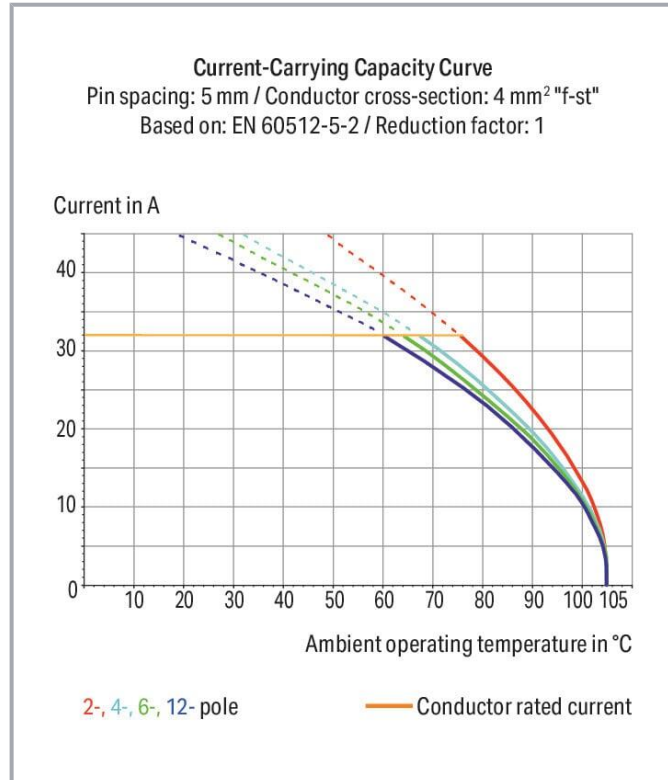


[www.wago.com/2624-1106](http://www.wago.com/2624-1106)



 Picture differs from the item.

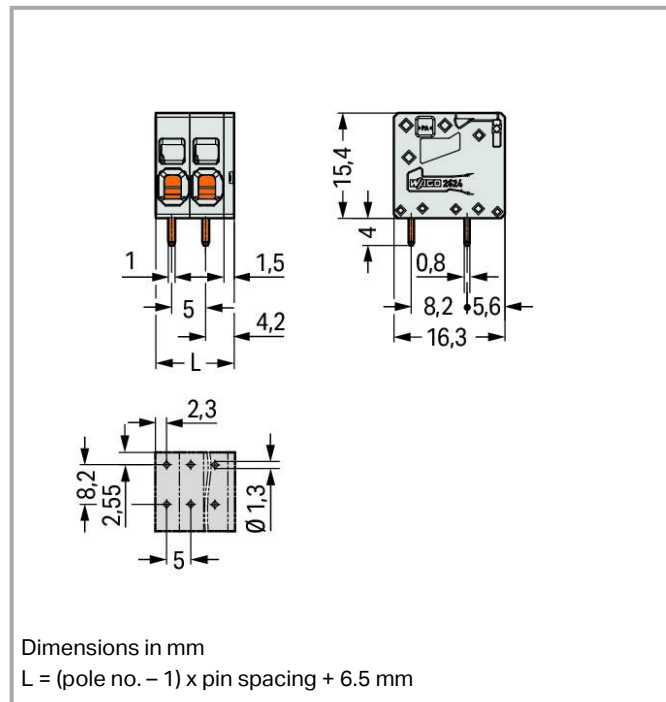
Color: 



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

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### Item description

- PCB terminal blocks with Push-in CAGE CLAMP® connection
- Push-in termination of solid and ferruled conductors
- Ideal for panel feedthrough applications via operation parallel to conductor entry
- Testing can be performed both parallel and perpendicular to conductor entry

### Data

#### Notes

Variants:

Other pole numbers  
 Direct marking  
 Other colors  
 Other versions (or variants) can be requested from WAGO Sales or configured at <https://configurator.wago.com/>.

### Electrical data

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



### Ratings per IEC/EN

|                               |  |
|-------------------------------|--|
| Ratings per                   | IEC/EN 60664-1   |
| Nominal voltage (III/3)       | 320 V  |
| Rated impulse voltage (III/3) | 4 kV   |
| Rated voltage (III/2)         | 400 V  |
| Rated impulse voltage (III/2) | 4 kV   |
| Nominal voltage (II/2)        | 630 V  |
| Rated surge voltage (II/2)    | 4 kV   |
| Rated current                 | 41 A   |
| Legend (ratings)              | (III / 2) $\triangleq$ Overvoltage category III / Pollution degree 2 |

### Ratings per UL

|                                |         |
|--------------------------------|---------|
| Approvals per                  | UL 1059 |
| Rated voltage UL (Use Group B) | 300 V   |
| Rated current UL (Use Group B) | 26 A    |
| Rated voltage UL (Use Group D) | 300 V   |
| Rated current UL (Use Group D) | 10 A    |

### Ratings per CSA

|                                 |       |
|---------------------------------|-------|
| Approvals per                   | CSA   |
| Rated voltage CSA (Use Group B) | 300 V |
| Rated current CSA (Use Group B) | 26 A  |
| Rated voltage CSA (Use Group D) | 300 V |
| Rated current CSA (Use Group D) | 5 A   |

### Connection data

|                            |   |
|----------------------------|---|
| Connection points          | 6 |
| Total number of potentials | 6 |
| Number of connection types | 1 |
| Number of levels           | 1 |

### Connection 1

|                       |   |
|-----------------------|---|
| Connection technology | Push-in CAGE CLAMP <sup>®</sup>           |
| Actuation type        | Operating tool                            |
| Solid conductor       | 0.2 ... 6 mm <sup>2</sup> / 24 ... 10 AWG |

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|   |   |
|---|---|
| Fine-stranded conductor                           | 0.2 ... 6 mm <sup>2</sup> / 24 ... 10 AWG |
| Fine-stranded conductor; with insulated ferrule   | 0.25 ... 2.5 mm <sup>2</sup>              |
| Fine-stranded conductor; with uninsulated ferrule | 0.25 ... 2.5 mm <sup>2</sup>              |
| Fine-stranded conductor; with twin ferrule        | 0.25 ... 1.5 mm <sup>2</sup>              |
| Strip length                                      | 10 ... 12 mm / 0.39 ... 0.47 inches       |
| Conductor connection direction to PCB             | 0 °                                       |
| Pole number                                       | 6   |

### Physical data

|                                      |                          |
|--------------------------------------|--------------------------|
| Pin spacing                          | 5 mm / 0.197 inches      |
| Width                                | 31.5 mm / 1.24 inches    |
| Height                               | 19.4 mm / 0.764 inches   |
| Height from the surface              | 15.4 mm / 0.606 inches   |
| Depth                                | 16.3 mm / 0.642 inches   |
| Solder pin length                    | 4 mm                     |
| Solder pin dimensions                | 0.8 x 1 mm               |
| Drilled hole diameter with tolerance | 1.3 <sup>(+0.1)</sup> mm |

### Mechanical Data

|               |                       |
|---------------|-----------------------|
| Mounting type | Feed-through mounting |
|---------------|-----------------------|

### 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)        | Information on material specifications can be found here |
| Color                       | gray   |
| Material group              | I  |
| Insulation material         | Polyamide (PA66)   |
| Flammability class per UL94 | V0   |
| Clamping spring material    | Chrome-nickel spring steel (CrNi)                        |
| Contact material            | Electrolytic copper (E <sub>Cu</sub> )                   |

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|                 |       |
|-----------------|-------|
| Contact plating | Tin   |
| Weight          | 9.5 g |

### Environmental requirements

|                                  |                 |
|----------------------------------|-----------------|
| Limit temperature range          | -60 ... +105 °C |
| Processing temperature           | -35 ... +60 °C  |
| Continuous operating temperature | -60 ... +105 °C |

### Commercial data



|                       |               |
|-----------------------|---------------|
| eCl@ss 10.0           | 27-44-04-01   |
| eCl@ss 9.0            | 27-44-04-01   |
| ETIM 8.0              | EC002643      |
| ETIM 7.0              | EC002643      |
| ECCN                  | NO DATA       |
| PU (SPU)              | 80 pcs        |
| Packaging type        | box           |
| Country of origin     | PL            |
| GTIN                  | 4055143578349 |
| Customs tariff number | 85369010000   |

### Environmental Product Compliance

|                        |                         |
|------------------------|-------------------------|
| RoHS Compliance Status | Compliant, No Exemption |
|------------------------|-------------------------|

### Approvals / Certificates

#### General approvals

| Logo   | Approval                                       | Additional Approval Text | Certificate name |
|--|--|--------------------------|------------------|
|  | <b>CB</b><br>DEKRA Certification B.V.          | IEC 60947-7-4            | NL-61583         |
|  | <b>CSA</b><br>DEKRA Certification B.V.         | C22.2 No. 158            | 70117145         |
|  | <b>cURus</b><br>Underwriters Laboratories Inc. | UL 1059                  | E45172           |
|  | <b>KEMA/KEUR</b>                               | EN 60947-7-4             | 71-              |

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## Optional accessories

### Tool

Operating tool






**Item no.: 210-720**

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

[www.wago.com/210-720](http://www.wago.com/210-720)

### Ferrule

Ferrule

|   |   |  |
|---|---|--|
|    | <p><b>Item no.: 216-106</b><br/>Ferrule; Sleeve for 2.5 mm<sup>2</sup> / AWG 14; uninsulated; electro-tin plated; silver-colored</p>  | <a href="http://www.wago.com/216-106">www.wago.com/216-106</a> |
|    | <p><b>Item no.: 216-241</b><br/>Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white</p> | <a href="http://www.wago.com/216-241">www.wago.com/216-241</a> |
|    | <p><b>Item no.: 216-242</b><br/>Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray</p> | <a href="http://www.wago.com/216-242">www.wago.com/216-242</a> |
|  | <p><b>Item no.: 216-243</b><br/>Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red</p>     | <a href="http://www.wago.com/216-243">www.wago.com/216-243</a> |
|  | <p><b>Item no.: 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</p> | <a href="http://www.wago.com/216-244">www.wago.com/216-244</a> |
|  | <p><b>Item no.: 216-263</b><br/>Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red</p>     | <a href="http://www.wago.com/216-263">www.wago.com/216-263</a> |
|  | <p><b>Item no.: 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</p>  | <a href="http://www.wago.com/216-246">www.wago.com/216-246</a> |
|  | <p><b>Item no.: 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</p>  | <a href="http://www.wago.com/216-266">www.wago.com/216-266</a> |
|  | <p><b>Item no.: 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</p> | <a href="http://www.wago.com/216-264">www.wago.com/216-264</a> |
|  | <p><b>Item no.: 216-262</b><br/>Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray</p> | <a href="http://www.wago.com/216-262">www.wago.com/216-262</a> |

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

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## Downloads

### Documentation

#### Additional Information

|                        |            |        |          |
|------------------------|------------|--------|----------|
| Technical Section      | 2019 Apr 3 | pdf    | Download |
| Technical explanations |            | 2.1 MB |          |

## CAD/CAE-Data

### PCB Design

|  |     |          |
|--|-----|----------|
| Symbol and Footprint via Ultra Librarian 2624-1106 | URL | Download |
|--|-----|----------|

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
- Altair
- Altium 6 to current version
- Autodesk Fusion 360
- 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

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



- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000
- Zuken eCADSTAR 2020 and 2021 Zuken CR-5000 and CR-8000

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

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Symbol and Footprint via SamacSys 2624-1106

URL

Download

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:

- 3D (stp)
- Altium
- CADSTAR
- Capture
- CircuitStudio
- CR-5000
- CR-8000
- DEHDL
- DesignSpark PCB
- DesignSpark PCB PRO
- DipTrace
- EAGLE
- Easy-PC
- EasyEDA
- eCADSTAR
- KiCad
- OrCAD\_Allegro16
- PADS
- Proteus
- Pulsonix
- Quadcept
- SOLIDWORKS PCB
- TARGET 3001!
- xDX Designer
- Xpedition

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



PCB Component Libraries (EDA), PCB CAD Library SamacSys Electronic Component Search Engine

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#### CAE data

|                        |                     |                          |
|------------------------|---------------------|--------------------------|
| ZUKEN Portal 2624-1106 | <a href="#">URL</a> | <a href="#">Download</a> |
|------------------------|---------------------|--------------------------|

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#### CAD data

|                        |                     |                          |
|------------------------|---------------------|--------------------------|
| 2D/3D Models 2624-1106 | <a href="#">URL</a> | <a href="#">Download</a> |
|------------------------|---------------------|--------------------------|

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#### Asset Administration Shell

|                                      |                     |                          |
|--------------------------------------|---------------------|--------------------------|
| Asset Administration Shell 2624-1106 | <a href="#">URL</a> | <a href="#">Download</a> |
|--------------------------------------|---------------------|--------------------------|

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### Environmental Product Compliance

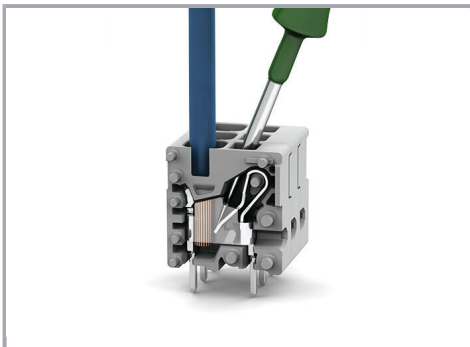
#### Compliance Search

|  |                     |                          |
|--|---------------------|--------------------------|
| Environmental Product Compliance 2624-1106<br>PCB terminal block; 4 mm <sup>2</sup> ; Pin spacing 5 mm; 6-pole; Push-in CAGE CLAMP®; 4,00 mm <sup>2</sup> ; gray | <a href="#">URL</a> | <a href="#">Download</a> |
|--|---------------------|--------------------------|

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### Installation Notes

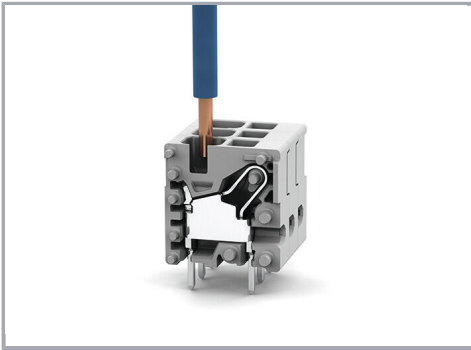
#### Conductor termination



Insert fine-stranded conductors and remove all conductor types via operating tool.

#### Conductor termination

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



Insert solid conductors via push-in termination.

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