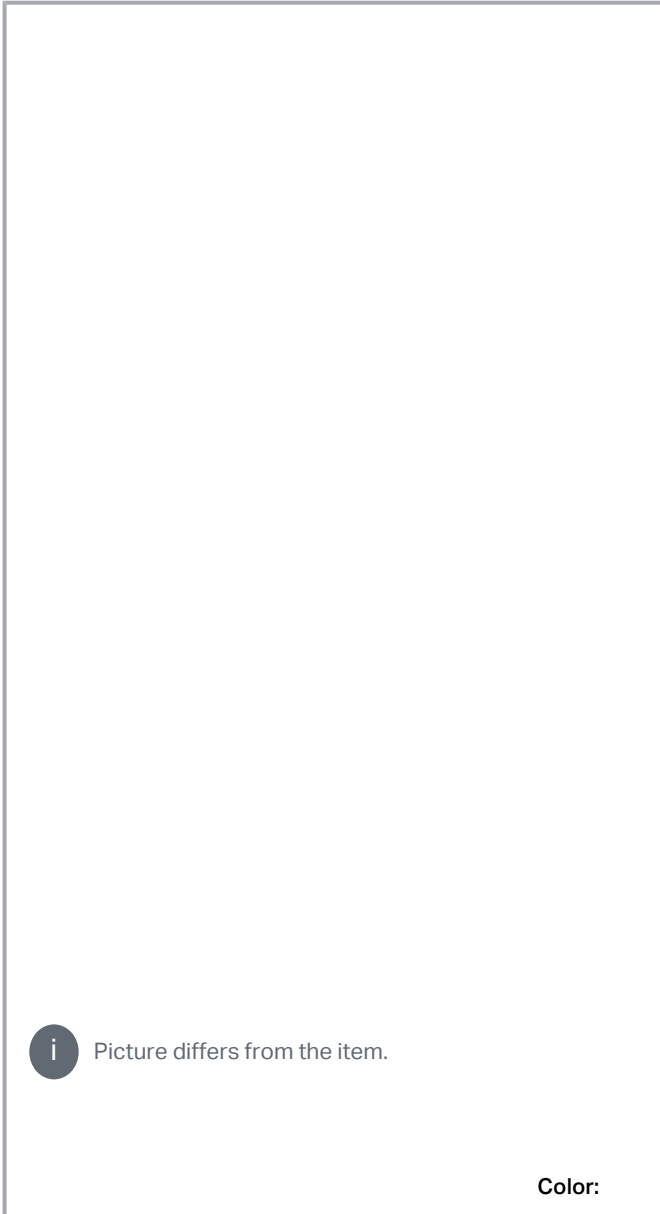


**Data sheet | Item number: 2624-3505**

PCB terminal block; 4 mm<sup>2</sup>; Pin spacing 11.5 mm; 5-pole; Push-in CAGE

CLAMP®; 4,00 mm<sup>2</sup>; gray

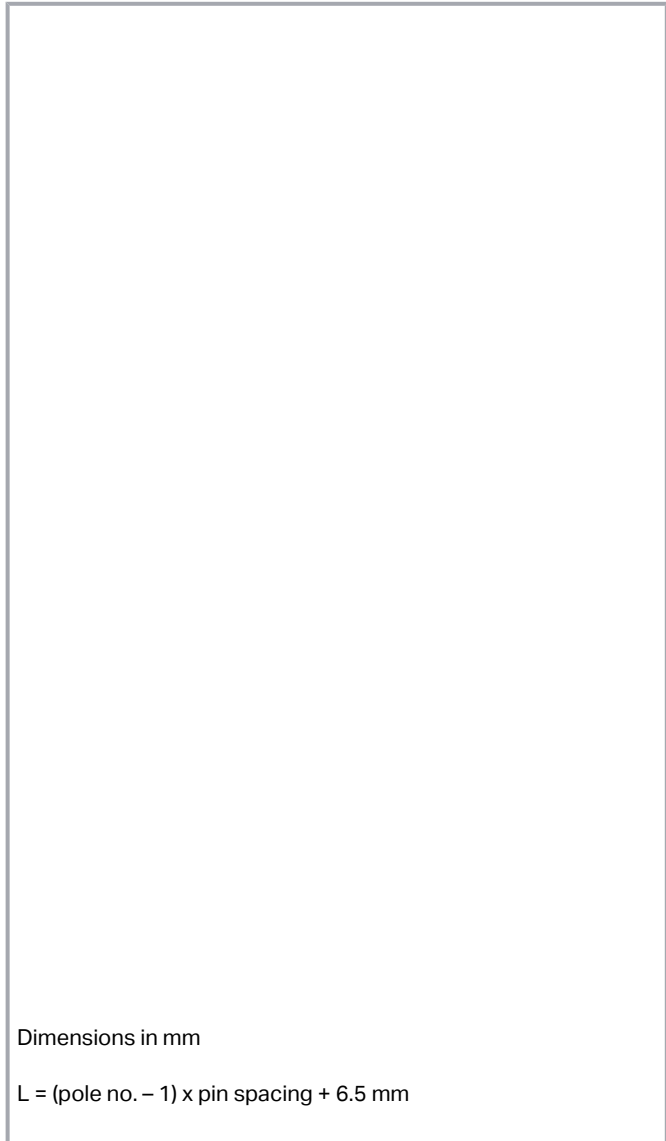
[www.wago.com/2624-3505](http://www.wago.com/2624-3505)



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

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## Item description

- PCB terminal blocks with Push-in CAGE CLAMP<sup>®</sup> 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

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



## Data Notes

|           |  |
|-----------|--|
| Variants: | Other pole numbers<br>Direct marking<br>Other colors<br>Other versions (or variants) can be requested from WAGO Sales or configured at <a href="https://configurator.wago.com/">https://configurator.wago.com/</a> . |
|-----------|--|

## Electrical data

### Ratings per IEC/EN

|                               |   |
|-------------------------------|---|
| Ratings per                   | IEC/EN 60664-1  |
| Nominal voltage (III/3)       | 1000 V  |
| Rated impulse voltage (III/3) | 8 kV  |
| Rated voltage (III/2)         | 1000 V  |
| Rated impulse voltage (III/2) | 8 kV  |
| Nominal voltage (II/2)        | 1000 V  |
| Rated surge voltage (II/2)    | 8 kV  |
| Rated current                 | 41 A  |
| Legend (ratings)              | (III / 2) $\hat{=}$ Overvoltage category III / Pollution degree 2 |

### Ratings per UL

|                                |         |
|--------------------------------|---------|
| Approvals per                  | UL 1059 |
| Rated voltage UL (Use Group B) | 600 V   |
| Rated current UL (Use Group B) | 26 A    |
| Rated voltage UL (Use Group C) | 600 V   |
| Rated current UL (Use Group C) | 26 A    |

### Ratings per CSA

|                                 |       |
|---------------------------------|-------|
| Approvals per                   | CSA   |
| Rated voltage CSA (Use Group B) | 600 V |
| Rated current CSA (Use Group B) | 26 A  |
| Rated voltage CSA (Use Group C) | 600 V |
| Rated current CSA (Use Group C) | 26 A  |

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## Connection data

|                            |   |
|----------------------------|---|
| Connection points          | 5 |
| Total number of potentials | 5 |
| Number of connection types | 1 |
| Number of levels           | 1 |

## Connection 1

|   |   |
|---|---|
| Connection technology                             | Push-in CAGE CLAMP®                       |
| Actuation type                                    | Operating tool                            |
| Solid conductor                                   | 0.2 ... 6 mm <sup>2</sup> / 24 ... 10 AWG |
| 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             | 90 °                                      |
| Pole number                                       | 5   |

## Physical data

|                                      |                          |
|--------------------------------------|--------------------------|
| Pin spacing                          | 11.5 mm / 0.453 inches   |
| Width                                | 52.5 mm / 2.067 inches   |
| Height                               | 20.3 mm / 0.799 inches   |
| Height from the surface              | 16.3 mm / 0.642 inches   |
| Depth                                | 15.4 mm / 0.606 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) |

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



|                                     |   |
|-------------------------------------|---|
| 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> ) |
| Contact plating             | Tin                                    |
| Fire load                   | 0.02 MJ                                |
| Weight                      | 11.7 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      |
| PU (SPU)              | 40 pcs        |
| Packaging type        | box           |
| Country of origin     | DE            |
| GTIN                  | 4055143579612 |
| Customs tariff number | 85369010000   |

## Environmental Product Compliance

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

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



## Approvals / Certificates

### General approvals

| Logo | Approval                                       | Additional Approval Text | Certificate name |
|------|--|--------------------------|------------------|
|      | <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><br>DEKRA Certification B.V.   | EN 60947-7-4             | 71-<br>100535    |

## Optional accessories

### Ferrule

| Ferrule  |  |  |
|--|--|--|
| <b>Item no.: 216-106</b><br>Ferrule; Sleeve for 2.5 mm <sup>2</sup> / AWG 14; uninsulated; electro-tin plated; silver-colored  |  | <a href="http://www.wago.com/216-106">www.wago.com/216-106</a> |
| <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 |  | <a href="http://www.wago.com/216-241">www.wago.com/216-241</a> |
| <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 |  | <a href="http://www.wago.com/216-242">www.wago.com/216-242</a> |
| <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     |  | <a href="http://www.wago.com/216-243">www.wago.com/216-243</a> |
| <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 |  | <a href="http://www.wago.com/216-244">www.wago.com/216-244</a> |
| <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     |  | <a href="http://www.wago.com/216-263">www.wago.com/216-263</a> |
| <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  |  | <a href="http://www.wago.com/216-246">www.wago.com/216-246</a> |
| <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  |  | <a href="http://www.wago.com/216-266">www.wago.com/216-266</a> |
| <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 |  | <a href="http://www.wago.com/216-264">www.wago.com/216-264</a> |
| <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  |  | <a href="http://www.wago.com/216-262">www.wago.com/216-262</a> |

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crimped; acc. to DIN 46228, Part 4/09.90; gray

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#### 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)

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#### Downloads

##### Documentation

##### Additional Information

2019 年4月3日

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2.0 MB

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#### CAD/CAE-Data

##### CAD data

2D/3D Models 2624-3505

URL

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##### PCB Design

Symbol and Footprint 2624-3505

URL

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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

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- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000

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

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#### CAE data

|                        |                     |                          |
|------------------------|---------------------|--------------------------|
| ZUKEN Portal 2624-3505 | <a href="#">URL</a> | <a href="#">Download</a> |
|------------------------|---------------------|--------------------------|

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### Environmental Product Compliance

#### Compliance Search

|   |                     |                          |
|---|---------------------|--------------------------|
| Environmental Product Compliance 2624-3505<br>PCB terminal block; 4 mm <sup>2</sup> ; Pin spacing 11.5 mm; 5-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

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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!