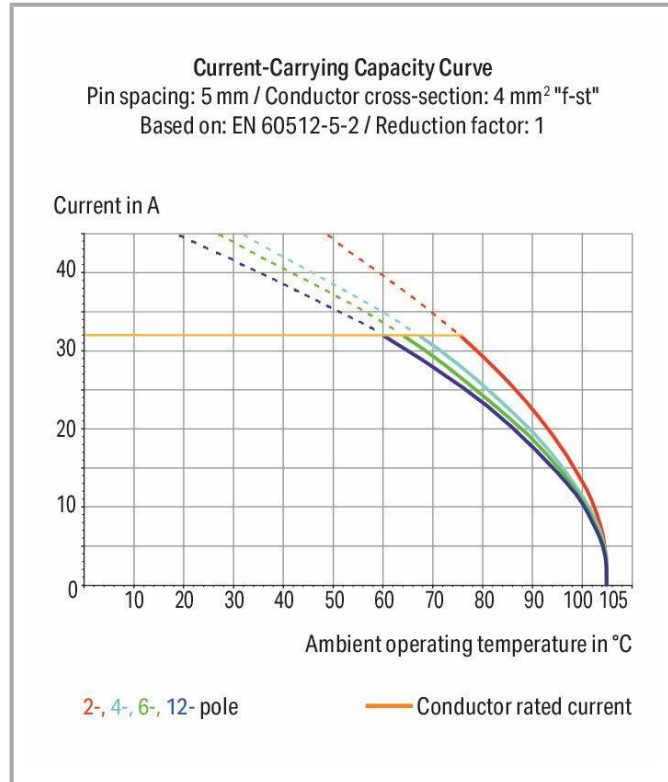
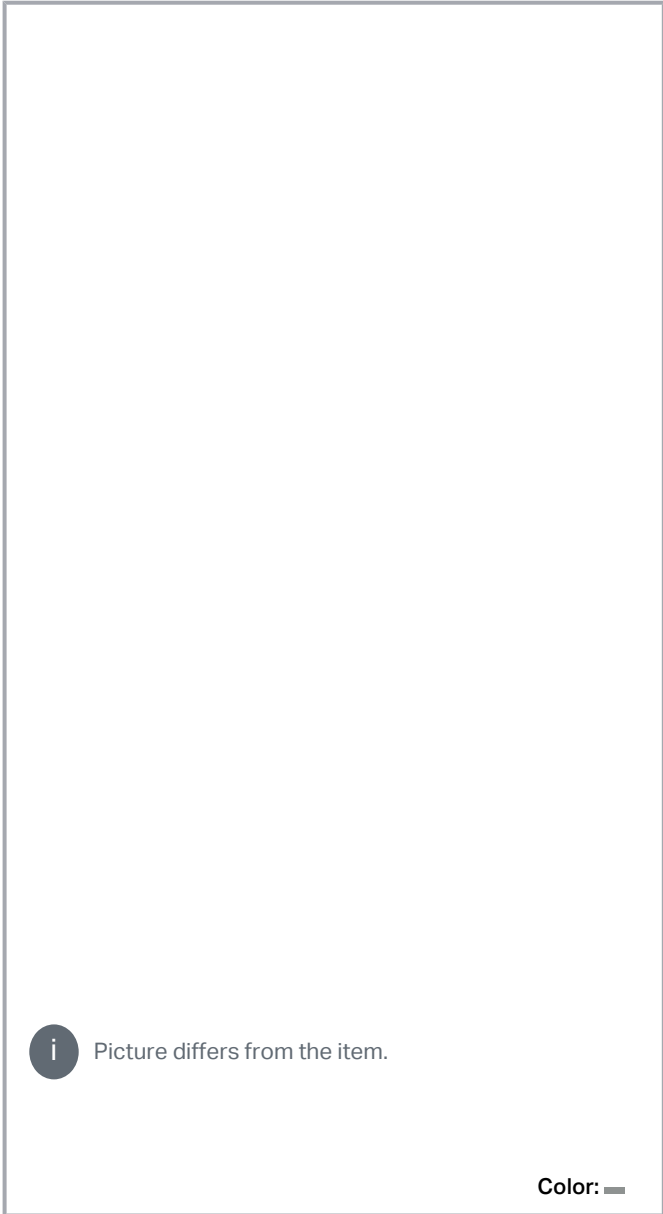


**Data sheet | Item number: 2604-3105**

PCB terminal block; Push-in CAGE CLAMP with operating lever; AWG 24 - 12;

Pin spacing 5 mm; 5-pole; top entry; gray

[www.wago.com/2604-3105](http://www.wago.com/2604-3105)



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

WAGO Corporation  
Germantown, WI 53022  
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222  
Email: [info.us@wago.com](mailto:info.us@wago.com) | Web: [www.wago.us](http://www.wago.us)

Do you have any questions about our products?  
We are always happy to take your call at (262) 255-6222 or 1 800-DIN-RAIL.



## Item description

- PCB terminal blocks with levers and Push-in CAGE CLAMP® connection
- Push-in termination of solid and ferruled conductors
- Intuitive and tool-free operation
- Several clamping units can be held open simultaneously – convenient for terminating multi-core cables
- Testing can be performed both parallel and perpendicular to conductor entry

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

WAGO Corporation  
Germantown, WI 53022  
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222  
Email: [info.us@wago.com](mailto:info.us@wago.com) | Web: [www.wago.us](http://www.wago.us)

Do you have any questions about our products?  
We are always happy to take your call at (262) 255-6222 or 1 800-DIN-RAIL.



## 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 60664-1   |
| Rated voltage (III / 3)         | 320 V  |
| Rated surge voltage (III/3)     | 4 kV   |
| Rated voltage (III/2)           | 400 V  |
| Rated surge voltage (III/2)     | 4 kV   |
| Nominal voltage (II/2)          | 630 V  |
| Rated surge voltage (II/2)      | 4 kV   |
| Rated current                   | 32 A   |
| Legend (ratings)                | (III / 2) $\triangleq$ Overvoltage category III / Pollution degree 2 |
| Approvals per                   | UL 1059  |
| Rated voltage UL (Use Group B)  | 300 V  |
| Rated current UL (Use Group B)  | 20 A   |
| Rated voltage UL (Use Group D)  | 300 V  |
| Rated current UL (Use Group D)  | 10 A   |
| Approvals per                   | CSA  |
| Rated voltage CSA (Use Group B) | 300 V  |
| Rated current CSA (Use Group B) | 20 A   |
| Rated voltage CSA (Use Group D) | 300 V  |
| Rated current CSA (Use Group D) | 5 A  |

## Connection data

|                                   |                     |
|-----------------------------------|---------------------|
| Total number of connection points | 5                   |
| Total number of potentials        | 5                   |
| Number of connection types        | 1                   |
| Number of levels                  | 1                   |
| Connection technology             | Push-in CAGE CLAMP® |
| Actuation type                    | Lever               |

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

WAGO Corporation  
Germantown, WI 53022  
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222  
Email: [info.us@wago.com](mailto:info.us@wago.com) | Web: [www.wago.us](http://www.wago.us)

Do you have any questions about our products?  
We are always happy to take your call at (262) 255-6222 or 1 800-DIN-RAIL.



|   |   |
|---|---|
| Solid conductor                                   | 0.2 ... 4 mm <sup>2</sup> / 24 ... 12 AWG |
| Fine-stranded conductor                           | 0.2 ... 4 mm <sup>2</sup> / 24 ... 12 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                                      | 9 ... 11 mm / 0.35 ... 0.43 inch          |
| Conductor connection direction to PCB             | 90°                                       |
| Number of poles                                   | 5   |

### Physical data

|                                      |                          |
|--------------------------------------|--------------------------|
| Pin spacing                          | 5 mm / 0.197 inch        |
| Width                                | 27.4 mm / 1.079 inch     |
| Height                               | 25.3 mm / 0.996 inch     |
| Height from the surface              | 21.3 mm / 0.839 inch     |
| Depth                                | 16.7 mm / 0.657 inch     |
| 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 |

### PCB contact

|                                     |  |
|-------------------------------------|--|
| PCB Contact                         | THT                                      |
| Solder pin arrangement              | over the entire terminal strip (in-line) |
| Number of solder pins per potential | 2  |

### Material data

|                             |  |
|-----------------------------|--|
| 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-plated                             |
| Color of actuator           | orange                                 |
| Weight                      | 8.4 g                                  |

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

WAGO Corporation  
 Germantown, WI 53022  
 Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222  
 Email: [info.us@wago.com](mailto:info.us@wago.com) | Web: [www.wago.us](http://www.wago.us)

Do you have any questions about our products?  
 We are always happy to take your call at (262) 255-6222 or 1 800-DIN-RAIL.

## Environmental requirements



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

## Commercial data


|                       |               |
|-----------------------|---------------|
| PU (SPU)              | 70 Stück      |
| Packaging type        | box           |
| Country of origin     | DE            |
| GTIN                  | 4055143564748 |
| Customs tariff number | 8536904000    |

## Approvals / Certificates

### Country specific Approvals


| Logo   | Approval                                     | Additional Approval Text | Certificate name |
|--|--|--------------------------|------------------|
|  | <b>CB</b><br>DEKRA Certification B.V.        | EN 60947-7-4             | NL-47057         |
|   | <b>CSA</b><br>DEKRA Certification B.V.       | C22.2 No. 158            | 70117145         |
|  | <b>KEMA/KEUR</b><br>DEKRA Certification B.V. | EN 60947-7-4             | 71-100535        |

### UL-Approvals

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






## Optional accessories

### Ferrules

|   |   |  |
|---|---|--|
| 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> |

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



|   |  |  |
|---|--|--|
|  | <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.: 216-246</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> |

## Downloads

### Documentation

#### Additional Information

|                        |             |               |          |
|------------------------|-------------|---------------|----------|
| Technical explanations | Apr 3, 2019 | pdf<br>2.0 MB | Download |
|------------------------|-------------|---------------|----------|

## CAD files

### PCB Design

|                                |     |          |
|--------------------------------|-----|----------|
| Symbol and Footprint 2604-3105 | 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
- 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

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

WAGO Corporation  
 Germantown, WI 53022  
 Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222  
 Email: [info.us@wago.com](mailto:info.us@wago.com) | Web: [www.wago.us](http://www.wago.us)

Do you have any questions about our products?  
 We are always happy to take your call at (262) 255-6222 or 1 800-DIN-RAIL.



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

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

---

#### CAE data

|                        |                     |                          |
|------------------------|---------------------|--------------------------|
| ZUKEN Portal 2604-3105 | <a href="#">URL</a> | <a href="#">Download</a> |
|------------------------|---------------------|--------------------------|

---

#### CAD data

|                        |                     |                          |
|------------------------|---------------------|--------------------------|
| 2D/3D Models 2604-3105 | <a href="#">URL</a> | <a href="#">Download</a> |
|------------------------|---------------------|--------------------------|

---

## Environmental Product Compliance

### Compliance Search

|  |                     |                          |
|--|---------------------|--------------------------|
| Environmental Product Compliance 2604-3105<br>PCB terminal block; lever; 4 mm <sup>2</sup> ; Pin spacing 5 mm; 5-pole; Push-in CAGE CLAMP®;<br>4,00 mm <sup>2</sup> ; gray | <a href="#">URL</a> | <a href="#">Download</a> |
|--|---------------------|--------------------------|

---

## Installation Notes

### Conductor termination

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

---

WAGO Corporation  
Germantown, WI 53022  
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222  
Email: [info.us@wago.com](mailto:info.us@wago.com) | Web: [www.wago.us](http://www.wago.us)

Do you have any questions about our products?  
We are always happy to take your call at (262) 255-6222 or 1 800-DIN-RAIL.



Insert fine-stranded conductors and remove all conductors via lever

#### Conductor termination



Insert solid or ferruled conductors via push-in termination

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

WAGO Corporation  
Germantown, WI 53022  
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222  
Email: [info.us@wago.com](mailto:info.us@wago.com) | Web: [www.wago.us](http://www.wago.us)

Do you have any questions about our products?  
We are always happy to take your call at (262) 255-6222 or 1 800-DIN-RAIL.