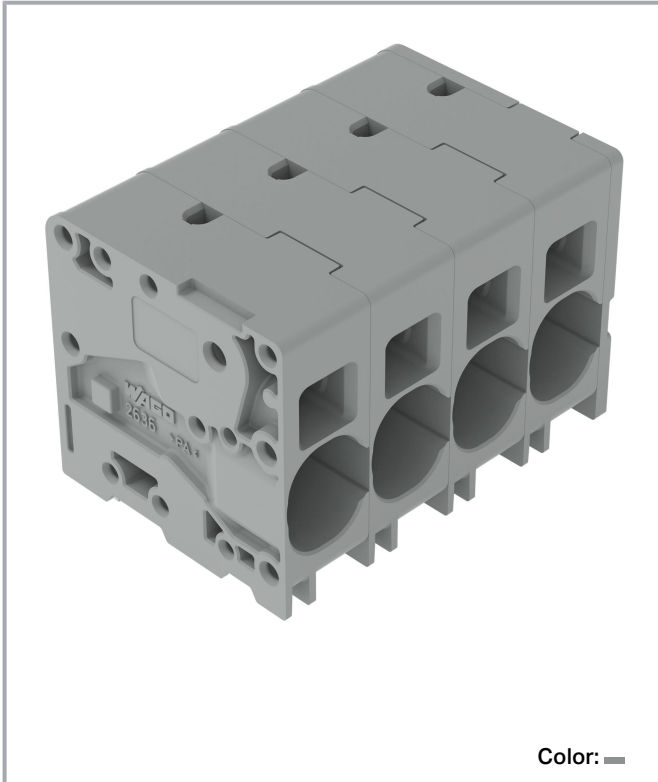


**Data sheet | Item number: 2636-1104/020-000**

PCB terminal block; 16 mm<sup>2</sup>; Pin spacing 10 mm; 4-pole; Push-in CAGE

CLAMP®; 16,00 mm<sup>2</sup>; gray

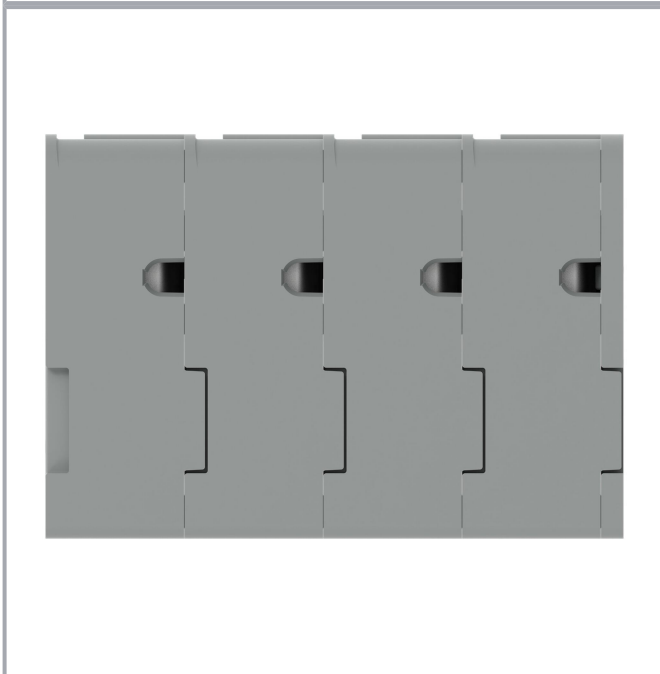
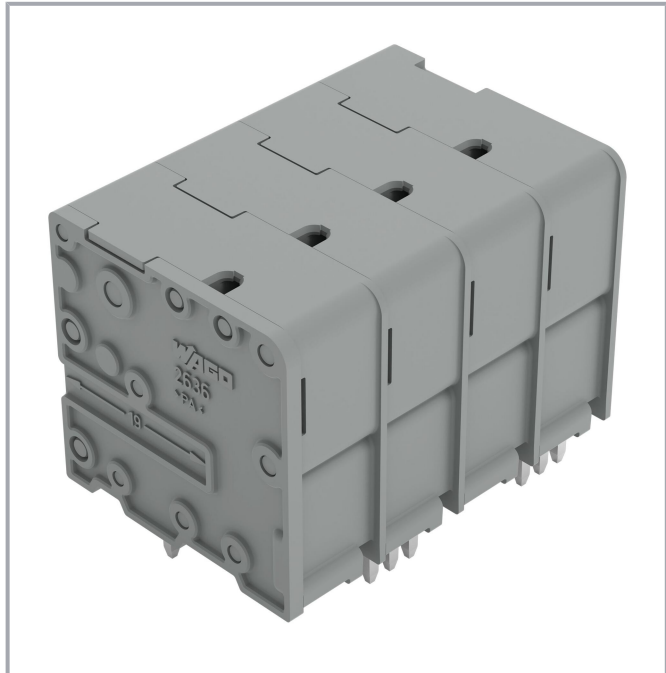
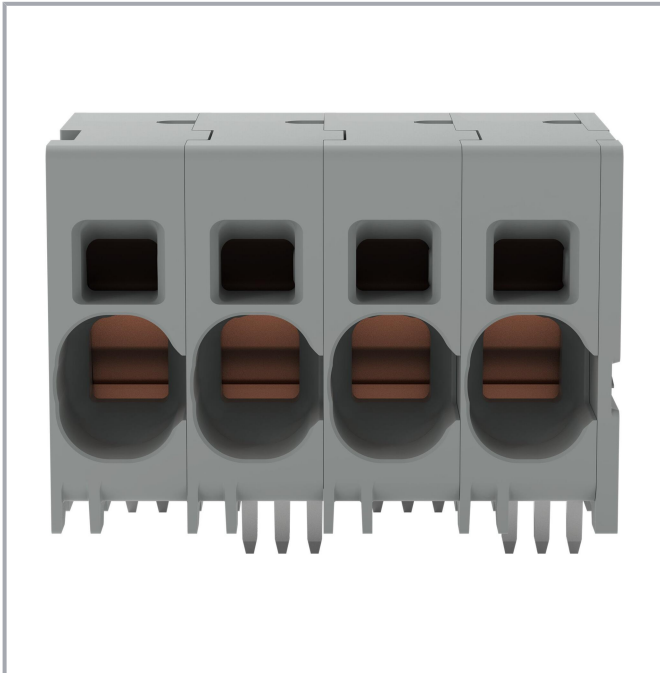
[www.wago.com/2636-1104/020-000](http://www.wago.com/2636-1104/020-000)



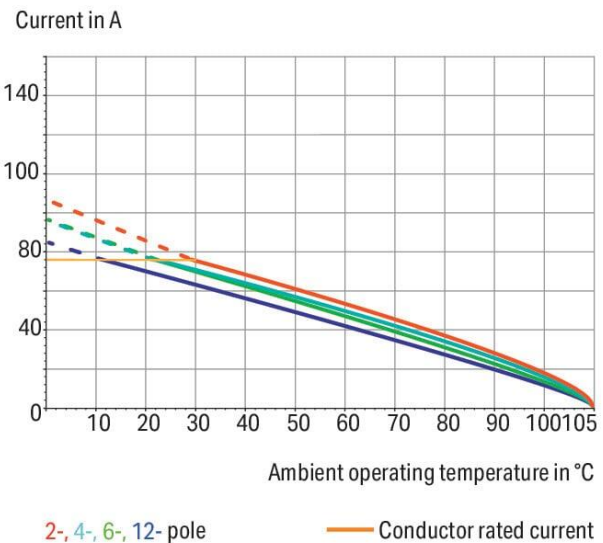
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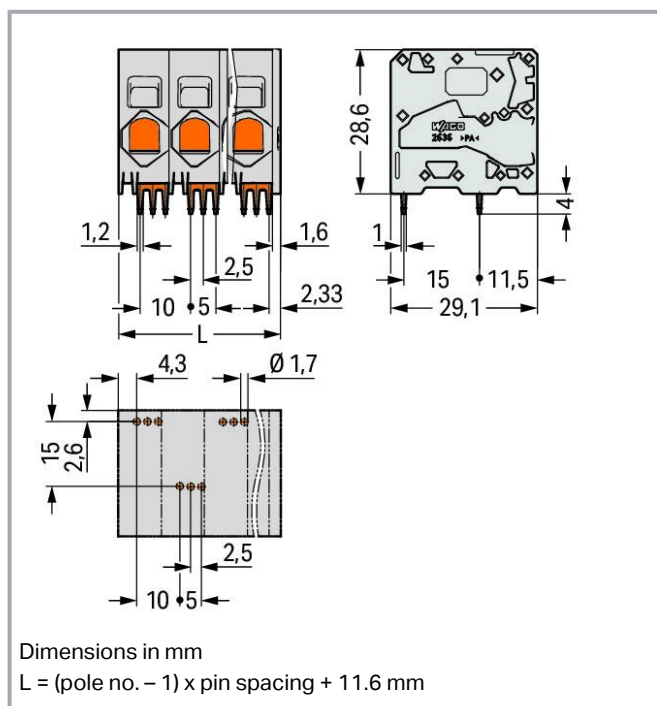
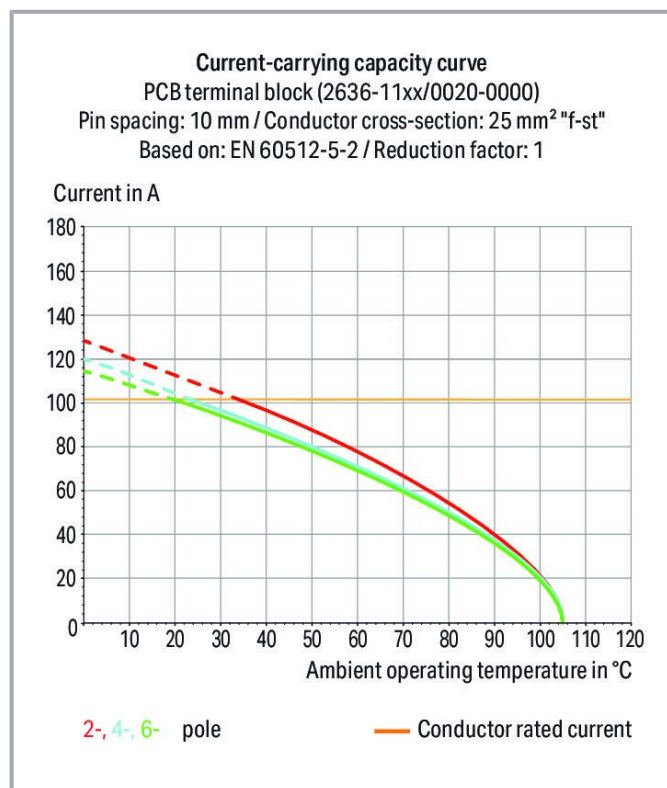
**Current-Carrying Capacity Curve**  
Pin spacing: 10 mm / Conductor cross-section: 16 mm<sup>2</sup> "f-st"  
Based on: EN 60512-5-2 / Reduction factor: 1



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## Item description

- PCB terminal strips 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)       | 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                 | 76 A                                                                 |
| Legend (ratings)              | (III / 2) $\triangleq$ Overvoltage category III / Pollution degree 2 |

## Ratings per UL

|                                |       |
|--------------------------------|-------|
| Rated voltage UL (Use Group B) | 600 V |
| Rated current UL (Use Group B) | 66 A  |
| Rated voltage UL (Use Group C) | 600 V |
| Rated current UL (Use Group C) | 66 A  |

## Ratings per CSA

| Approvals per                   | CSA   |
|---------------------------------|-------|
| Rated voltage CSA (Use Group B) | 600 V |
| Rated current CSA (Use Group B) | 66 A  |
| Rated voltage CSA (Use Group C) | 600 V |
| Rated current CSA (Use Group C) | 66 A  |

## Connection data

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

## Connection 1

|                         |                                |
|-------------------------|--------------------------------|
| Connection technology   | Push-in CAGE CLAMP®            |
| Actuation type          | Operating tool                 |
| Solid conductor         | 0.75 ... 16 mm² / 18 ... 4 AWG |
| Fine-stranded conductor | 0.75 ... 25 mm² / 18 ... 4 AWG |

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



|                                                   |                                     |
|---------------------------------------------------|-------------------------------------|
| Fine-stranded conductor; with insulated ferrule   | 0.75 ... 16 mm <sup>2</sup>         |
| Fine-stranded conductor; with uninsulated ferrule | 0.75 ... 16 mm <sup>2</sup>         |
| Fine-stranded conductor; with twin ferrule        | 0.75 ... 6 mm <sup>2</sup>          |
| Strip length                                      | 18 ... 20 mm / 0.71 ... 0.79 inches |
| Conductor connection direction to PCB             | 0 °                                 |
| Pole number                                       | 4                                   |

## Physical data

|                                      |                          |
|--------------------------------------|--------------------------|
| Pin spacing                          | 10 mm / 0.394 inches     |
| Width                                | 41.6 mm / 1.638 inches   |
| Height                               | 32.6 mm / 1.283 inches   |
| Height from the surface              | 28.6 mm / 1.126 inches   |
| Depth                                | 29.1 mm / 1.146 inches   |
| Solder pin length                    | 4 mm                     |
| Solder pin dimensions                | 1.2 x 1 mm               |
| Drilled hole diameter with tolerance | 1.7 <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 (staggered) |
| Number of solder pins per potential | 3                                          |

## 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                                                      |

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|        |        |
|--------|--------|
| Weight | 33.7 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      |
| ECCN                  | NO DATA       |
| PU (SPU)              | 25 pcs        |
| Packaging type        | box           |
| Country of origin     | DE            |
| GTIN                  | 4055143625326 |
| 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.          | EN 60947-7-4             | NL-61617         |
|  | <b>CSA</b><br>DEKRA Certification B.V.         | C22.2                    | 70154737         |
|  | <b>cURus</b><br>Underwriters Laboratories Inc. | C22.2 No. 158            | E45172           |
|                                                                                    | <b>KEMA/KEUR</b><br>DEKRA Certification B.V.   | EN 60947-7-4             | 71-<br>110774    |

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## Optional accessories

### Ferrule

| Ferrule                                                                         |                                                                                                                                                                                                                                                          |  |
|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|  | <b>Item no.: 216-210</b><br>Ferrule; Sleeve for 16 mm <sup>2</sup> / AWG 6; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue <a href="http://www.wago.com/216-210">www.wago.com/216-210</a>   |  |
|  | <b>Item no.: 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>Item no.: 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>Item no.: 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>Item no.: 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>    |  |

### Tool

| Operating tool                                                                     |                                                                                                                                                                                 |  |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|  | <b>Item no.: 210-721</b><br>Operating tool; Blade: 5.5 x 0.8 mm; with a partially insulated shaft; multicoloured <a href="http://www.wago.com/210-721">www.wago.com/210-721</a> |  |

## 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 2636-1104/020-000 | URL | Download |
|------------------------------------------------------------|-----|----------|

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

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

Symbol and Footprint via SamacSys 2636-1104/020-000

URL

Download

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Supported formats:

—  
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- 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

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

CAE data

|                                |     |          |
|--------------------------------|-----|----------|
| ZUKEN Portal 2636-1104/020-000 | URL | Download |
|--------------------------------|-----|----------|

CAD data

|                                |     |          |
|--------------------------------|-----|----------|
| 2D/3D Models 2636-1104/020-000 | URL | Download |
|--------------------------------|-----|----------|

Asset Administration Shell

|                                              |     |          |
|----------------------------------------------|-----|----------|
| Asset Administration Shell 2636-1104/020-000 | URL | Download |
|----------------------------------------------|-----|----------|

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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 2636-1104/020-000

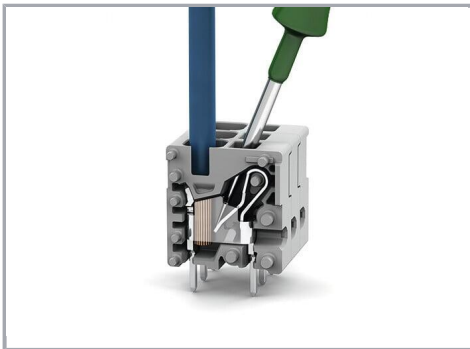
URL

Download

PCB terminal block; 16 mm<sup>2</sup>; Pin spacing 10 mm; 4-pole; Push-in CAGE CLAMP®;  
16,00 mm<sup>2</sup>; gray

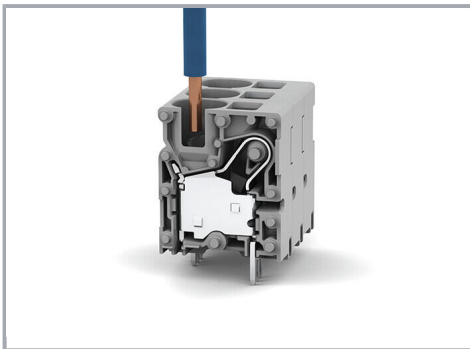
## Installation Notes

### Conductor termination



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

### Conductor termination



Insert solid conductors via push-in termination.

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