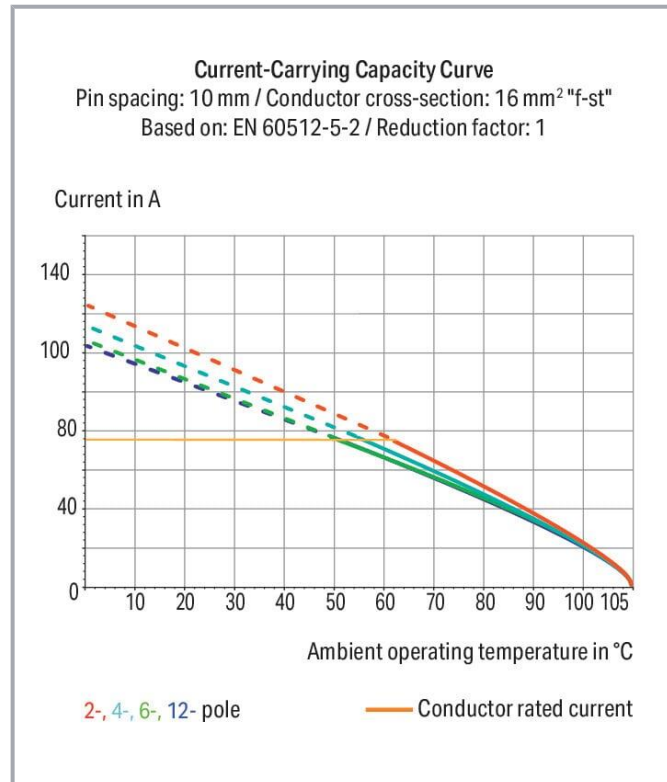
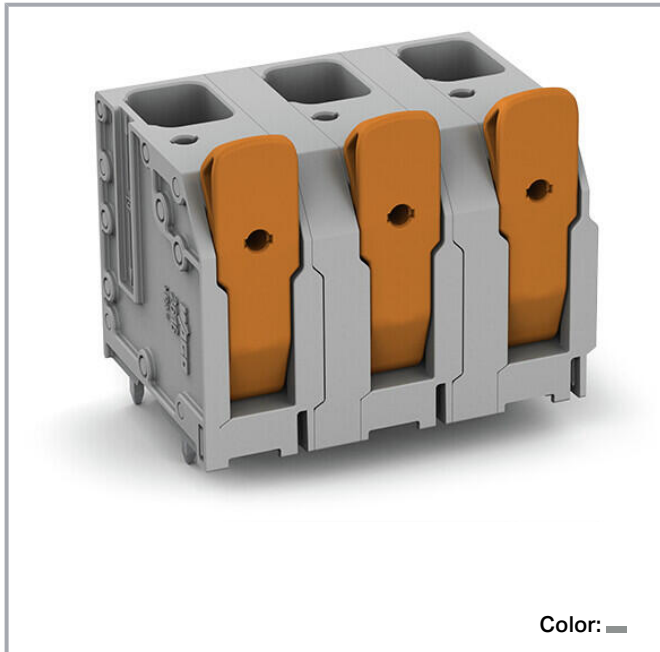


**Data sheet | Item number: 2616-3353**

PCB terminal block; lever; 16 mm<sup>2</sup>; Pin spacing 15 mm; 3-pole; Push-in CAGE CLAMP®; 16,00 mm<sup>2</sup>; gray

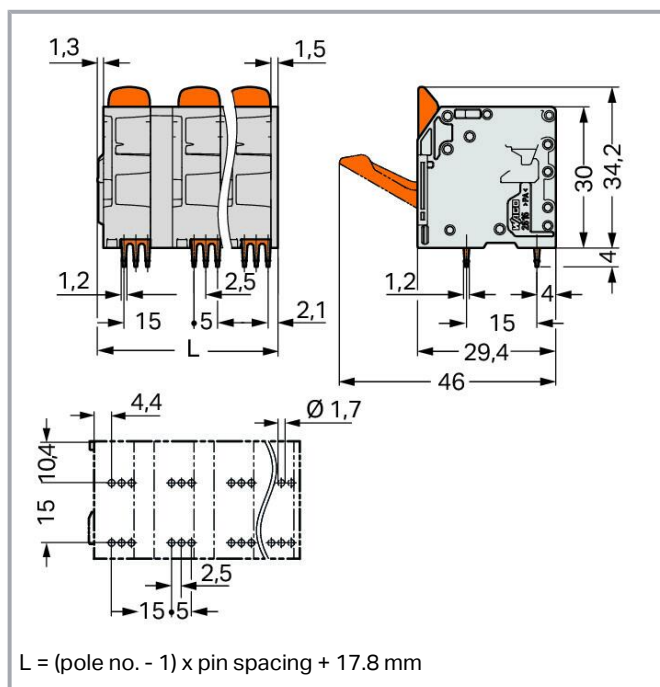
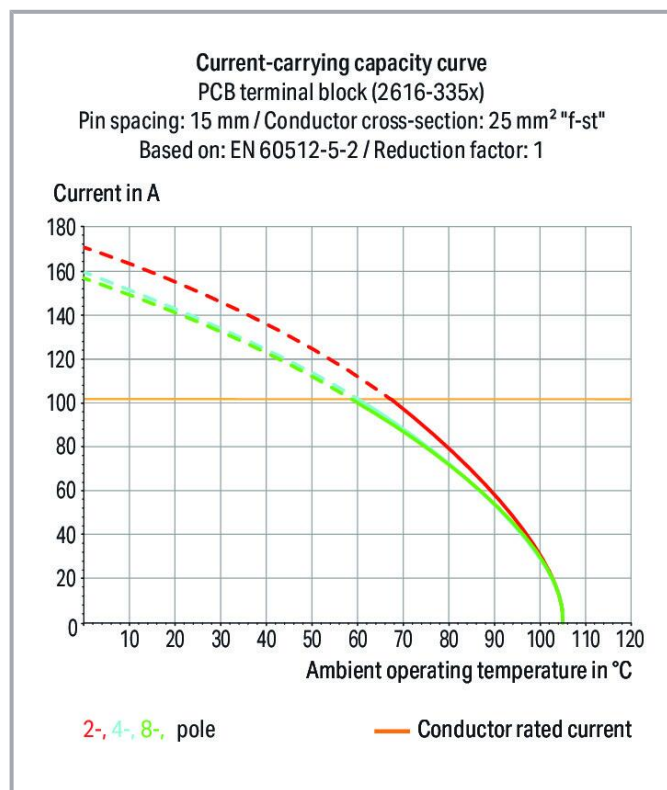
[www.wago.com/2616-3353](http://www.wago.com/2616-3353)



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 and levers
- Push-in termination of solid and ferruled conductors
- Intuitive and tool-free operation
- Several clamping units can be held open simultaneously, simplifying the connection of multi-core cables
- 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!

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## Ratings per IEC/EN

| Ratings per                   | IEC/EN 60664-1                                            |
|-------------------------------|-----------------------------------------------------------|
| Nominal voltage (III/3)       | 800 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) ≙ 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) | 78 A    |
| Rated voltage UL (Use Group C) | 300 V   |
| Rated current UL (Use Group C) | 78 A    |
| Rated voltage UL (Use Group D) | 600 V   |
| Rated current UL (Use Group D) | 5 A     |

## Ratings per CSA

| Approvals per                   | CSA   |
|---------------------------------|-------|
| Rated voltage CSA (Use Group B) | 300 V |
| Rated current CSA (Use Group B) | 72 A  |
| Rated voltage CSA (Use Group C) | 300 V |
| Rated current CSA (Use Group C) | 72 A  |
| Rated voltage CSA (Use Group D) | 600 V |
| Rated current CSA (Use Group D) | 72 A  |

## Connection data

|                            |   |
|----------------------------|---|
| Connection points          | 3 |
| Total number of potentials | 3 |
| Number of connection types | 1 |
| Number of levels           | 1 |

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



## Connection 1

|                                                   |                                     |
|---------------------------------------------------|-------------------------------------|
| Connection technology                             | Push-in CAGE CLAMP®                 |
| Actuation type                                    | Lever                               |
| Solid conductor                                   | 0.75 ... 16 mm² / 18 ... 4 AWG      |
| Fine-stranded conductor                           | 0.75 ... 25 mm² / 18 ... 4 AWG      |
| Fine-stranded conductor; with insulated ferrule   | 0.75 ... 16 mm²                     |
| Fine-stranded conductor; with uninsulated ferrule | 0.75 ... 16 mm²                     |
| Fine-stranded conductor; with twin ferrule        | 0.75 ... 6 mm²                      |
| Strip length                                      | 18 ... 20 mm / 0.71 ... 0.79 inches |
| Conductor connection direction to PCB             | 90 °                                |
| Pole number                                       | 3                                   |

## Physical data

|                                      |                          |
|--------------------------------------|--------------------------|
| Pin spacing                          | 15 mm / 0.591 inches     |
| Width                                | 41.5 mm / 1.634 inches   |
| Height                               | 38.2 mm / 1.504 inches   |
| Height from the surface              | 34.2 mm / 1.346 inches   |
| Depth                                | 29.4 mm / 1.157 inches   |
| Solder pin length                    | 4 mm                     |
| Solder pin dimensions                | 1.2 x 1.2 mm             |
| Drilled hole diameter with tolerance | 1.7 <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 | 6                                        |

## 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                                                       |

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|                          |                                        |
|--------------------------|----------------------------------------|
| Clamping spring material | Chrome-nickel spring steel (CrNi)      |
| Contact material         | Electrolytic copper (E <sub>Cu</sub> ) |
| Contact plating          | Tin                                    |
| Fire load                | 0.532 MJ                               |
| Actuator color           | orange                                 |
| Weight                   | 32.8 g                                 |

## Environmental requirements

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

## Commercial data

|                       |               |
|-----------------------|---------------|
| ETIM 8.0              | EC002643      |
| ETIM 7.0              | EC002643      |
| ECCN                  | NO DATA       |
| PU (SPU)              | 30 pcs        |
| Packaging type        | box           |
| Country of origin     | PL            |
| GTIN                  | 4055143860536 |
| 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-61617         |
|  | <b>CSA</b><br>DEKRA Certification B.V.         | C22.2                    | 70154737         |
|  | <b>cURus</b><br>Underwriters Laboratories Inc. | C22.2 No. 158            | E45172           |

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



KEMA/KEUR  
DEKRA Certification B.V.

EN 60947-7-4

71-  
110774

Downloads  
Documentation

Additional Information

|                        |             |        |          |
|------------------------|-------------|--------|----------|
| Technical Section      | 2019 年4月3 日 | pdf    | Download |
| Technical explanations |             | 2.1 MB |          |

CAD/CAE-Data

PCB Design

|                                                    |     |          |
|----------------------------------------------------|-----|----------|
| Symbol and Footprint via Ultra Librarian 2616-3353 | 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

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



- 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

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Symbol and Footprint via SamacSys 2616-3353

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

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- SOLIDWORKS PCB
- TARGET 3001!
- xDX Designer
- Xpedition

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

CAE data

|                        |     |          |
|------------------------|-----|----------|
| ZUKEN Portal 2616-3353 | URL | Download |
|------------------------|-----|----------|

CAD data

|                        |     |          |
|------------------------|-----|----------|
| 2D/3D Models 2616-3353 | URL | Download |
|------------------------|-----|----------|

Asset Administration Shell

|                                      |     |          |
|--------------------------------------|-----|----------|
| Asset Administration Shell 2616-3353 | URL | Download |
|--------------------------------------|-----|----------|

Environmental Product Compliance

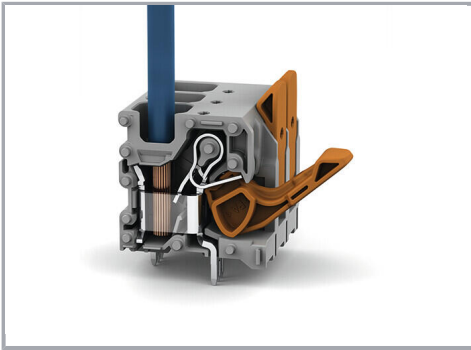
Compliance Search

|                                                                                                                              |     |          |
|------------------------------------------------------------------------------------------------------------------------------|-----|----------|
| Environmental Product Compliance 2616-3353                                                                                   | URL | Download |
| PCB terminal block; lever; 16 mm <sup>2</sup> ; Pin spacing 15 mm; 3-pole; Push-in CAGE CLAMP®; 16,00 mm <sup>2</sup> ; gray |     |          |

Installation Notes

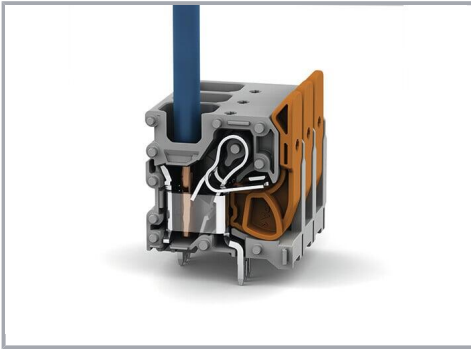
Conductor termination

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



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

#### Conductor termination



Insert solid conductors via push-in termination.

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