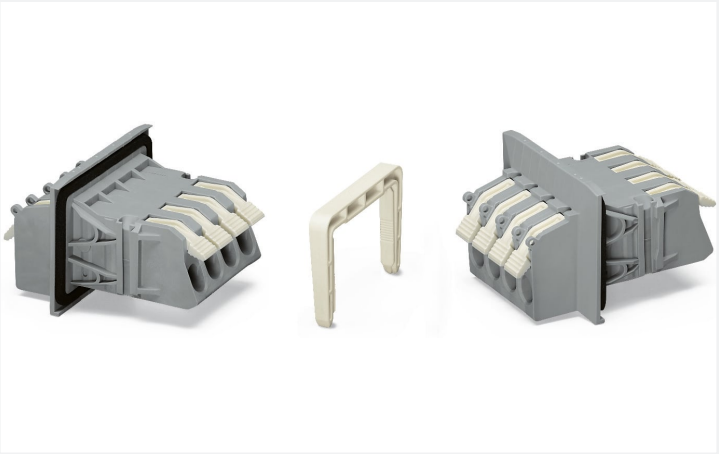
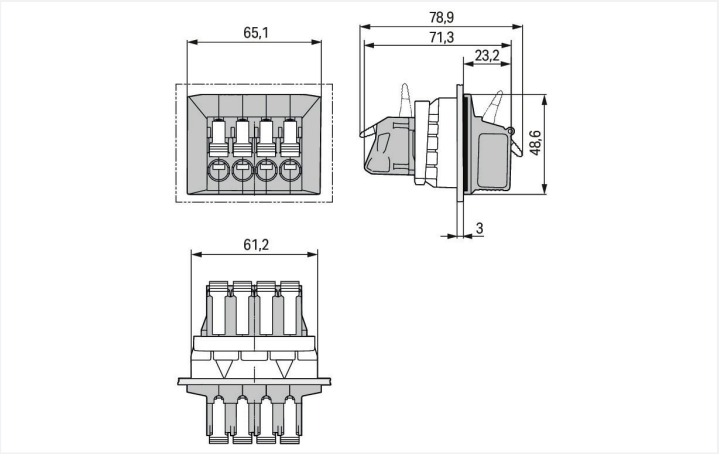
# Data Sheet | Item Number: 828-334

Feedthrough terminal block; lever; Plate thickness: 3 mm; 16 mm²; Pin spacing 11.5 mm; 4-pole; CAGE CLAMP®; 16,00 mm²; gray

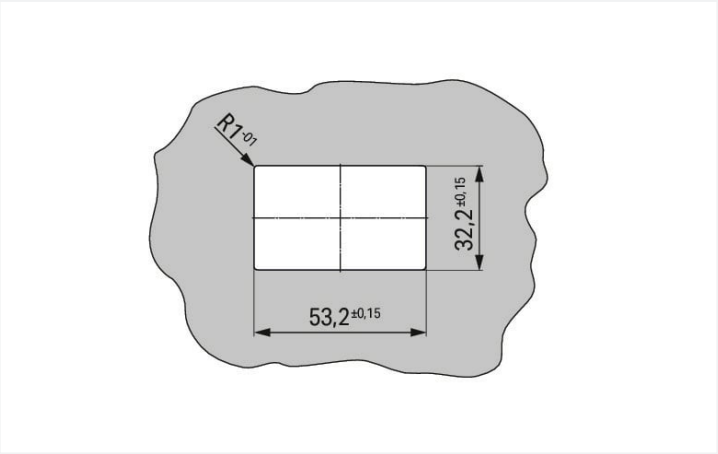
https://www.wago.com/828-334



Color: gray




Dimensions in mm




Dimensions in mm

- Feedthrough terminal strips with CAGE CLAMP® on both sides
- Easy, tool-free installation
- Tool-free termination – fingers open/close levers
- Several clamping units can be held open simultaneously – convenient for terminating multi-core cables
- 600 V UL

## Notes

| | |
|---|---|
| Variants: | Other pole numbers<br>Adapters for varying sheet panel thicknesses<br>Direct marking<br>Other versions (or variants) can be requested from WAGO Sales or configured at https://configurator.wago.com/. |

## Electrical data

| Ratings per | IEC/EN 60664-1 | | |
|---|---|---|---|
| Overvoltage category | III | III | II |
| Pollution degree | 3 | 2 | 2 |
| Nominal voltage | 1000 V | 1000 V | 1000 V |
| Rated surge voltage | 8 kV | 8 kV | 8 kV |
| Rated current | 57 A | 57 A | 57 A |

| Approvals per | UL 1059 | | |
|---|---|---|---|
| Use group | B | C | D |
| Rated voltage | 600 V | 600 V | - |
| Rated current | 30 A | 30 A | - |

| Approvals per | CSA | | |
|---|---|---|---|
| Use group | B | C | D |
| Rated voltage | 600 V | 600 V | - |
| Rated current | 30 A | 30 A | - |

## Connection data

| | |
|---|---|
| Connection points | 8 |
| Total number of potentials | 4 |
| Number of connection types | 2 |
| Number of levels | 1 |

### Connection 1

| | |
|---|---|
| Connection technology | CAGE CLAMP® |
| Actuation type | Lever |
| Solid conductor | 1.5 … 16 mm² / 16 … 6 AWG |
| Fine-stranded conductor | 1.5 … 16 mm² / 16 … 6 AWG |
| Fine-stranded conductor; with insulated ferrule | 1.5 … 10 mm² |
| Fine-stranded conductor; with uninsulated ferrule | 1.5 … 10 mm² |
| Strip length | 12 … 13 mm / 0.47 … 0.51 inches |
| Pole number | 4 |

## Physical data

| | |
|---|---|
| Pin spacing | 11.5 mm / 0.453 inches |
| Width | 65.1 mm / 2.563 inches |
| Height | 48.6 mm / 1.913 inches |
| Depth | 78.9 mm / 3.106 inches |

## Mechanical data

| | |
|---|---|
| Housing sheet thickness | 3 … 3 mm / 0.118 … 0.118 inches |
| Mounting type | Locking claw<br>Feed-through mounting |

## Material data

| | |
|---|---|
| Note (material data) | <a href="https://www.wago.com/us/material-specifications" href="_blank">Information on material specifications can be found here</a> |
| 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 ($E_{Cu}$) |
| Contact plating | Tin |
| Fire load | 2.744 MJ |
| Weight | 121.5 g |

## Environmental requirements

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

## Commercial data

| | |
|---|---|
| Product Group | 4 (Printed Circuit Connectors) |
| eCl@ss 10.0 | 27-14-11-34 |
| eCl@ss 9.0 | 27-14-11-34 |
| ETIM 8.0 | EC001283 |
| ETIM 7.0 | EC001283 |
| PU (SPU) | 15 pcs |
| Packaging type | Bag |
| Country of origin | CN |
| GTIN | 4050821148777 |
| Customs tariff number | 85369010000 |

## Environmental Product Compliance

| | |
|---|---|
| CAS-No. | 131651-65-5<br>144317-44-2<br>220133-51-7<br>220689-12-3<br>25628-08-4<br>29420-49-3<br>375-73-5<br>503155-89-3<br>507453-86-3<br>68259-10-9 |
| REACH Candidate List Substance | Perfluorobutane sulfonic acid (PFBS) and its salts |
| RoHS Compliance Status | Compliant,With Exemption |
| RoHS Exemption | 6(c)<br>7(a)<br>7(c)-I<br>7(c)-II |
| SCIP notification number (Austria) | 0d734595-b959-4481-9e24-30848b1e4c59 |
| SCIP notification number (Belgium) | 9541b29a-e66a-4057-8d23-5fc290967632 |
| SCIP notification number (Bulgaria) | 3734b5be-3528-42b4-8a5a-5dd03bb0cea1 |
| SCIP notification number (Czech Republic) | 55b8ed86-163e-4a8a-b21e-c45d10ae48d4 |
| SCIP notification number (Denmark) | 8d6b435d-e6df-4a1f-9f1a-4ed8f880bc26 |
| SCIP notification number (Finland) | ee92680d-3320-41b2-950e-1552139d0615 |
| SCIP notification number (France) | 82d1ef36-b6a7-4ec7-a933-9ee44eff2a31 |
| SCIP notification number (Germany) | 53c0bf5c-8b50-4ab0-a882-e0acad435acd |
| SCIP notification number (Hungary) | 75a68f21-0f78-446a-84a7-00b131e85d43 |
| SCIP notification number (Italy) | bcff2cba-dc35-4397-ab96-91173936d8fa |
| SCIP notification number (Netherlands) | 2c2b2543-7430-49d7-bd72-5293c711a5a6 |
| SCIP notification number (Poland) | 87b40070-b129-4cf7-9aab-3462de5f5d5c |
| SCIP notification number (Romania) | c0b2317f-ecc7-4117-8873-9a67a067a90c |
| SCIP notification number (Sweden) | e495909f-40dd-4a6f-be51-7ceb74fe1f28 |

## Approvals / Certificates


Continued on next page

## General approvals

| Approval | Standard | Certificate Name |
|---|---|---|
| CCA<br>DEKRA Certification B.V. | EN 60947 | NTR NL-7760 |
| CCA<br>DEKRA Certification B.V. | EN 60947 | 71-1082983 |
| CSA<br>DEKRA Certification B.V. | C22.2 No. 158 | 2059958 |
| UL<br>UL International Germany GmbH | UL 1059 | E45172 |

## Declarations of conformity and manufacturer's declarations

| Approval | Standard | Certificate Name |
|---|---|---|
| EU-Declaration of Conformity<br>WAGO GmbH & Co. KG | - | - |
| UK-Declaration of Conformity<br>WAGO GmbH & Co. KG | - | - |

## Downloads

### Environmental Product Compliance

**Compliance Search**

Environmental Product Compliance 828-334

### Documentation

**Additional Information**

| | | |
|---|---|---|
| Technical Section | 03.04.2019 | pdf<br>2010.85 KB |

### CAD/CAE-Data

**CAE data**

WSCAD Universe
828-334

## 1 Compatible Products

### 1.1 Optional Accessories

#### 1.1.1 Ferrule

##### 1.1.1.1 Ferrule



Item No.: 216-204
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black



Item No.: 216-224
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black



Item No.: 216-244
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



Item No.: 216-264
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black


Continued on next page

### 1.1.1.1 Ferrule



Item No.: 216-284
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



Item No.: 216-124
Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated



Item No.: 216-144
Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92; silver-colored



Item No.: 216-104
Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated; silver-colored



Item No.: 216-289
Ferrule; Sleeve for 10 mm² / AWG 8; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



Item No.: 216-209
Ferrule; Sleeve for 10 mm² / AWG 8; insulated; electro-tin plated; red



Item No.: 216-109
Ferrule; Sleeve for 10 mm² / AWG 8; uninsulated; electro-tin plated



Item No.: 216-205
Ferrule; Sleeve for 2.08 mm² / AWG 14; insulated; electro-tin plated; yellow



Item No.: 216-206
Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; blue



Item No.: 216-246
Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue



Item No.: 216-266
Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue



Item No.: 216-286
Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue



Item No.: 216-106
Ferrule; Sleeve for 2.5 mm² / AWG 14; uninsulated; electro-tin plated; silver-colored



Item No.: 216-267
Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



Item No.: 216-287
Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



Item No.: 216-207
Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated; gray



Item No.: 216-107
Ferrule; Sleeve for 4 mm² / AWG 12; uninsulated; electro-tin plated



Item No.: 216-208
Ferrule; Sleeve for 6 mm² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow



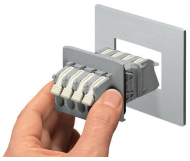
Item No.: 216-288
Ferrule; Sleeve for 6 mm² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow



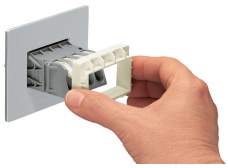
Item No.: 216-108
Ferrule; Sleeve for 6 mm² / AWG 10; uninsulated; electro-tin plated; silver-colored

## Installation Notes

### Installation



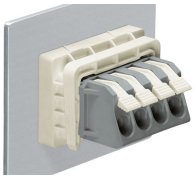
Insert terminal strip from the outside.



Snap the panel thickness adapter on from the inside.



Secure to panel via locking clip.



Mounted feedthrough terminal strip (internal)