

Data Sheet | Item Number: 280-613/281-663

Component terminal block; 2-conductor; with 10K0 resistor; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm²; CAGE CLAMP®; gray

<https://www.wago.com/280-613/281-663>



Notes

Safety Information

- Installation must be performed by qualified personnel only.
- The DIN-rail must be grounded.
- The input current must be protected by a suitable fuse.
- Protection against contact with stored charges must be ensured.
- Do not insert or remove pluggable modules when energized.
- The IP20 protection rating must be maintained in the assembled state or when using an end/intermediate plate compatible with the rail-mount terminal block.

Electrical data

| | |
|----------------------------|-----------------------------|
| Operating voltage | 250 VAC |
| Load current per potential | 16 A |
| Power (max.) | 0.6 W |
| Resistor | 10K0 |
| Thermal resistance | 140 K/W |
| Tolerance | ±1 % |
| Resistor type/design | DIN 0207 |
| Failure ratio | < 0.3 x 10 ⁻⁹ /h |

Safety and protection

Rated impulse withstand voltage

4 kV

Pollution degree

3

Safety Information

- Installation must be performed by qualified personnel only.
- The DIN-rail must be grounded.
- The input current must be protected by a suitable fuse.
- Protection against contact with stored charges must be ensured.
- Do not insert or remove pluggable modules when energized.
- The IP20 protection rating must be maintained in the assembled state or when using an end/intermediate plate compatible with the rail-mount terminal block.

Protection type

IP20

Connection Data

| | |
|----------------------------|---|
| Clamping units | 2 |
| Total number of potentials | 1 |
| Number of levels | 1 |

Connection 1

| | |
|---------------------------------|--|
| Connection technology | CAGE CLAMP® |
| Actuation type | Operating tool |
| Connectable conductor materials | Copper Aluminum |
| Solid conductor | 0.08 ... 2.5 mm ² / 28 ... 14 AWG |
| Fine-stranded conductor | 0.08 ... 2.5 mm ² / 28 ... 14 AWG |
| Strip length | 8 ... 9 mm / 0.31 ... 0.35 inches |

Physical data

| | |
|-----------------------------------|----------------------|
| Width | 5 mm / 0.197 inches |
| Height | 50 mm / 1.969 inches |
| Depth from upper-edge of DIN-rail | 28 mm / 1.102 inches |

Material data

| | |
|------------------------------------|------------------|
| Color | gray |
| Insulation material (main housing) | Polyamide (PA66) |
| Material group | I |
| Flammability class per UL94 | V0 |
| Fire load | 0.099 MJ |
| Weight | 5 g |

Environmental requirements

| | |
|---------------------------------|----------------|
| Ambient temperature (operation) | -25 ... +70 °C |
| Processing temperature | -35 ... +85 °C |

Standards and Specifications

| | |
|--------------------------|--|
| Standards/specifications | EN 60947-7-1 EN 60664-1 EN 60529 |
|--------------------------|--|

Commercial data

| | |
|-----------------------|----------------------------------|
| Product Group | 1 (Rail Mounted Terminal Blocks) |
| PU (SPU) | 100 pcs |
| Packaging type | Box |
| Country of origin | DE |
| GTIN | 4045454194741 |
| Customs tariff number | 85369010000 |

Product Classification

| | |
|-----------|----------------------|
| UNSPSC | 39121410 |
| ETIM 9.0 | EC000903 |
| ETIM 10.0 | EC000903 |
| ECCN | NO US CLASSIFICATION |

Environmental Product Compliance

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