# Data Sheet | Item Number: 280-623/281-658

Component terminal block; 4-conductor; with 47K0 resistor; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm²; CAGE CLAMP®; gray

https://www.wago.com/280-623/281-658

## Notes

| | |
|---|---|
| Safety Information | - Installation must be performed by qualified personnel only.<br>- The DIN-rail must be grounded.<br>- The input current must be protected by a suitable fuse.<br>- Protection against contact with stored charges must be ensured.<br>- Do not insert or remove pluggable modules when energized.<br>- 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 | 47K |
| 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.<br>- The DIN-rail must be grounded.<br>- The input current must be protected by a suitable fuse.<br>- Protection against contact with stored charges must be ensured.<br>- Do not insert or remove pluggable modules when energized.<br>- 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 | 4 |
| Total number of potentials | 1 |
| Number of levels | 1 |

### Connection 1

| | |
|---|---|
| Connection technology | CAGE CLAMP® |
| Actuation type | Operating tool |
| Connectable conductor materials | Copper<br>Aluminum |
| Solid conductor | 0.08 … 2.5 mm² / 28 … 14 AWG |
| Fine-stranded conductor | 0.08 … 2.5 mm² / 28 … 14 AWG |
| Strip length | 8 … 9 mm / 0.31 … 0.35 inches |

## Physical data

| | |
|---|---|
| Width | 5 mm / 0.197 inches |
| Height | 73 mm / 2.874 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 | 0.136 MJ |
| Weight | 8.4 g |

## Environmental requirements

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

## Standards and Specifications

| | |
|---|---|
| Standards/specifications | EN 60947-7-1<br>EN 60664-1<br>EN 60529 |

## Commercial data

| | |
|---|---|
| Product Group | 1 (Rail Mounted Terminal Blocks) |
| PU (SPU) | 100 pcs |
| Packaging type | Box |
| Country of origin | DE |
| GTIN | 4045454194970 |
| 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 |

## Approvals / Certificates

### 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 | - | - |


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