

## Data Sheet | Item Number: 280-613/281-509

Component terminal block; 2-conductor; with 1K0 resistor; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm<sup>2</sup>; CAGE CLAMP®; gray

<https://www.wago.com/280-613/281-509>



### 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	1K0
Thermal resistance	140 K/W
Tolerance	±1 %
Resistor type/design	DIN 0207
Failure ratio	< 0.3 x 10 <sup>-9</sup> /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 <sup>2</sup> / 28 ... 14 AWG
Fine-stranded conductor	0.08 ... 2.5 mm <sup>2</sup> / 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 (10) pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454194703
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,With Exemption
RoHS Exemption	7(a) 7(c)-I 7(c)-II