

# MT 1,5-QUATTRO - Micro terminal

3001679

<https://www.phoenixcontact.com/in/products/3001679>



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Micro terminal, nom. voltage: 400 V, nominal current: 16 A, connection method: Screw connection, 1 level, Rated cross section: 1.5 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, mounting type: NS 15, color: gray

## Your advantages

- Nominal cross section of 1.5 mm<sup>2</sup>
- Design width of just 4.2 mm
- Space saving thanks to compact design and mounting option on a 15 mm DIN rail
- Clear arrangement thanks to marking of all terminal points
- Snap-on foot for NS 15 DIN rails
- Easy potential distribution thanks to standardized screw bridges in the terminal center

## Commercial Data

Item number	3001679
Packing unit	50 pc
Minimum order quantity	50 pc
Sales Key	BE1
Product Key	BE1261
Catalog Page	Page 554 (C-1-2019)
GTIN	4017918104375
Weight per Piece (including packing)	4.39 g
Weight per Piece (excluding packing)	4.36 g
Customs tariff number	85369010
Country of origin	TR

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## Technical Data

### Product properties

Product type	Miniature terminal block
Number of connections	4
Number of rows	2
Potentials	1

### Insulation characteristics

Overtoltage category	III
Degree of pollution	3

### Electrical properties

Rated surge voltage	4 kV
Maximum power dissipation for nominal condition	0.56 W

### Connection data

Number of connections per level	4
Nominal cross section	1.5 mm <sup>2</sup>

#### 1 level

Screw thread	M2
Tightening torque	0.22 ... 0.25 Nm
Stripping length	6 mm
Internal cylindrical gage	A1
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Cross section AWG	26 ... 16 (converted acc. to IEC)
Conductor cross section flexible	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross section, flexible [AWG]	26 ... 16 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm <sup>2</sup> ... 0.75 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm <sup>2</sup> ... 0.75 mm <sup>2</sup>
2 conductors with same cross section, solid	0.14 mm <sup>2</sup> ... 0.5 mm <sup>2</sup>
2 conductors with same cross section, flexible	0.14 mm <sup>2</sup> ... 0.5 mm <sup>2</sup>
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.25 mm <sup>2</sup> ... 0.34 mm <sup>2</sup>
Nominal current	16 A
Maximum load current	16 A (in case of a 1.5 mm <sup>2</sup> conductor cross section, the maximum load current must not be exceeded by the total current of all connected conductors.)
Nominal voltage	400 V
Nominal cross section	1.5 mm <sup>2</sup>

### Dimensions

Width	4.2 mm
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End cover width	1 mm
Height NS 15	30 mm
Height	1.181 "
Length	33.5 mm

## Material specifications

Color	gray
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed

## Electrical tests

Surge voltage test	
Test voltage setpoint	4.8 kV
Result	Test passed

Temperature-rise test	
Requirement temperature-rise test	Increase in temperature ≤ 45 K
Result	Test passed
Short-time withstand current 1.5 mm <sup>2</sup>	0.18 kA
Result	Test passed

Power-frequency withstand voltage	
Test voltage setpoint	1.89 kV
Result	Test passed

## Mechanical properties

Mechanical data	
Open side panel	Yes

## Mechanical tests

Mechanical strength	
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