

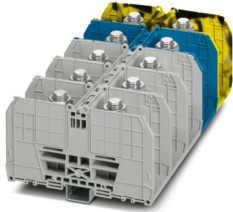
# RBO 16-3L/N/FE - Bolt connection terminal block



3076316

<https://www.phoenixcontact.com/us/products/3076316>

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Bolt connection terminal block, nom. voltage: 1000 V, nominal current: 520 A, number of connections: 10, number of positions: 5, connection method: Bolt connection, Rated cross section: 300 mm<sup>2</sup>, 1 level, mounting type: NS 35/7,5, NS 35/15, direct screw connection, color: gray/blue/black-yellow

## Commercial data

Item number	3076316
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	BE4412
GTIN	4046356653558
Weight per piece (including packing)	2,832.9 g
Weight per piece (excluding packing)	2,832.9 g
Country of origin	CN

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## Technical data

### Product properties

Product type	Bolt connection terminal block
Number of positions	5
Pitch	54.8 mm
Number of connections	10
Number of rows	1
Potentials	5

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Electrical properties

Rated surge voltage	8 kV
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### Connection data

Number of connections per level	10
Nominal cross section	300 mm <sup>2</sup>

#### 1 level

Connection method	Bolt connection
Stripping length	The stripping length depends on the specification provided by the cable lug manufacturer.
Connection in acc. with standard	IEC 60947-7-1
Nominal cross section	300 mm <sup>2</sup>
Nominal current	520 A
Maximum load current	520 A (At a conductor cross-section of 300 mm <sup>2</sup> )
Nominal voltage	1000 V

#### Cable lug connection DIN 46234:1980-03

Connection in acc. with standard	DIN 46234:1980-03
Cross section	25 mm <sup>2</sup> ... 300 mm <sup>2</sup>
Cross section range AWG	4 ... 600 kcmil (converted acc. to IEC)
Hole diameter	17 mm
Width	38 mm
Bolt diameter	16 mm
Screw thread	M16
Tightening torque	25 ... 35 Nm
Connection in acc. with standard	DIN 46235:1983-07
Cross section	25 mm <sup>2</sup> ... 300 mm <sup>2</sup>
Cross section range AWG	4 ... 600 kcmil (converted acc. to IEC)
Hole diameter	17 mm
Width	48 mm

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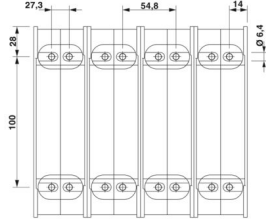


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Bolt diameter	16 mm
Screw thread	M16
Tightening torque	25 ... 35 Nm

## Dimensions

Dimensional drawing	
Width	274 mm
Pitch	54.8 mm

## Material specifications

Color	gray/blue/black-yellow
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA

## Mechanical properties

### Mechanical data

Open side panel	No
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## Standards and regulations

Connection in acc. with standard	IEC 60947-7-1
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## Mounting

Mounting type	NS 35/7,5
	NS 35/15
	direct screw connection

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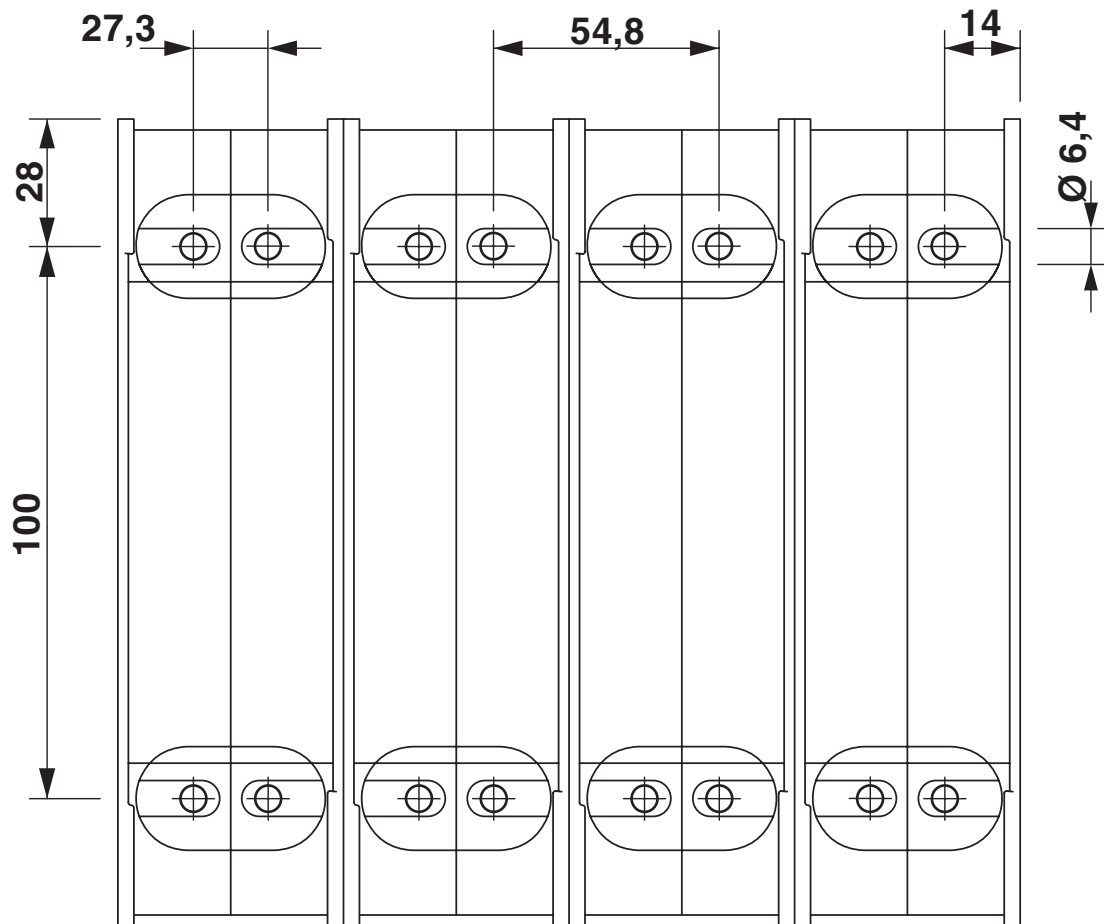


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## Drawings

Dimensional drawing



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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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