

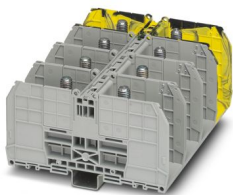
RBO 12-3L/FE - Bolt connection terminal block



3076140

<https://www.phoenixcontact.com/us/products/3076140>

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Bolt connection terminal block, nom. voltage: 1000 V, nominal current: 415 A, number of connections: 8, connection method: Bolt connection, Rated cross section: 240 mm², 1 level, mounting type: NS 35/7,5, NS 35/15, direct screw connection, color: gray/black-yellow

Commercial data

Item number	3076140
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	BE4412
GTIN	4046356724463
Weight per piece (including packing)	1,489.6 g
Weight per piece (excluding packing)	1,489.6 g
Country of origin	CN

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Technical data

Product properties

Product type	Bolt connection terminal block
Pitch	49 mm
Number of connections	8
Number of rows	1
Potentials	4

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	8
Nominal cross section	240 mm ²

1 level

Connection method	Bolt connection
Connection in acc. with standard	IEC 60947-7-1
Nominal current	415 A
Maximum load current	415 A (with 240 mm ² conductor cross-section)
Nominal voltage	1000 V
Nominal cross section	240 mm ²

Cable lug connection DIN 46234:1980-03

Connection in acc. with standard	DIN 46234:1980-03
Cross section	10 mm ² ... 240 mm ²
Cross section range AWG	8 ... 500 kcmil (converted acc. to IEC)
Hole diameter	13 mm
Width	38 mm
Bolt diameter	12 mm
Screw thread	M12
Tightening torque	14 ... 30 Nm
Connection in acc. with standard	DIN 46235:1983-07
Cross section	10 mm ² ... 240 mm ²
Cross section range AWG	8 ... 500 kcmil (converted acc. to IEC)
Hole diameter	13 mm
Width	42 mm
Bolt diameter	12 mm
Screw thread	M12
Tightening torque	14 ... 30 Nm

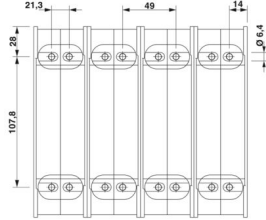
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Dimensions

Dimensional drawing	
Width	196 mm
Bolt length	36.5 mm
Pitch	49 mm

Material specifications

Color	gray/black-yellow
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

Mechanical properties

Mechanical data	
Open side panel	No

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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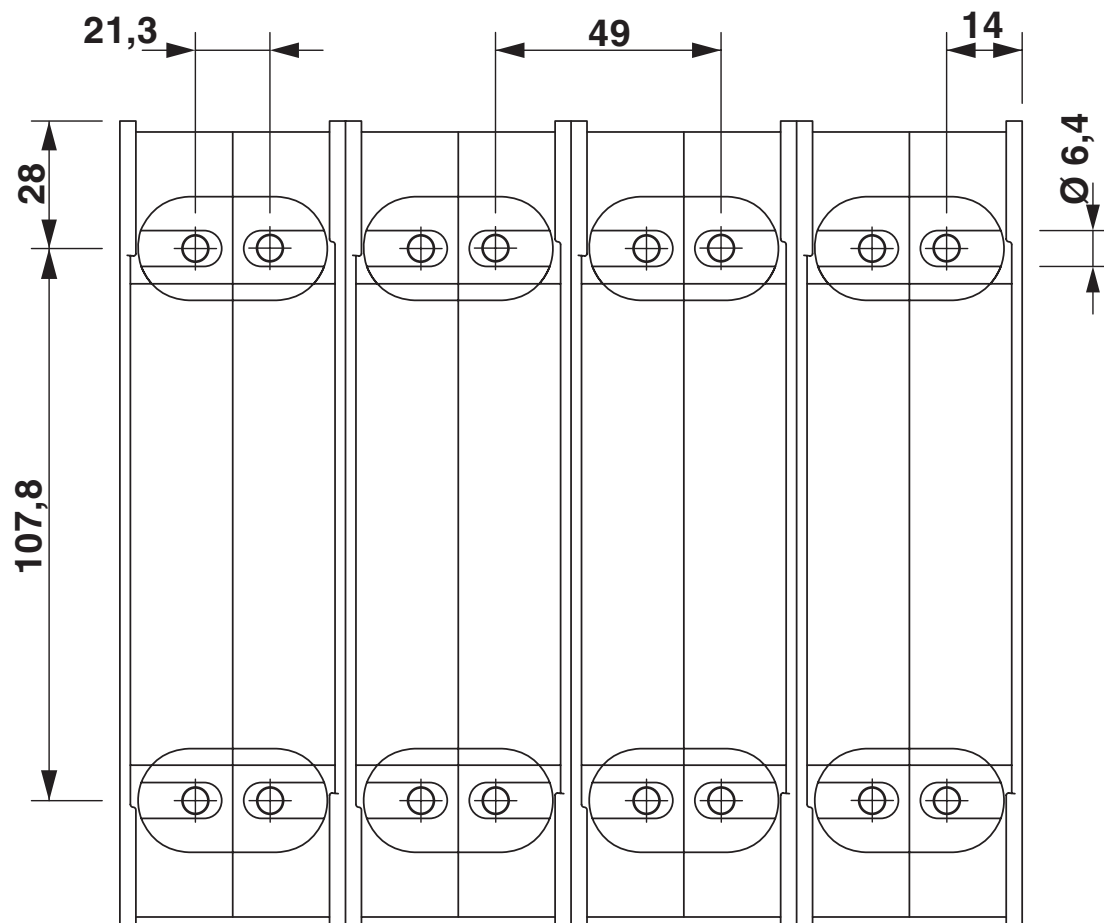


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Drawings

Dimensional drawing



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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
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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