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Especialistas en Automatización

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## Bolt connection terminal block - RBO 8-FE - 3213139

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Bolt connection terminal block, Connection method: Bolt connection, Number of positions: 1, Cross section: 6 mm<sup>2</sup> - 70 mm<sup>2</sup>, AWG: 8 - 2/0, Width: 29 mm, Height: 66 mm, Color: black/yellow, Mounting type: NS 35/7,5, NS 35/15, ct screw connection

The illustration shows the version in gray

### Why buy this product

- Mounting on standard DIN rails or directly in control boxes
- Tested for railway applications

### Key Commercial Data

Packing unit	5 STK
GTIN	 4 046356 719254

### Technical data

#### General

Number of levels	1
Number of connections	2
Nominal cross section	70 mm <sup>2</sup>
Color	black/yellow
Insulating material	PA
Flammability rating according to UL 94	V0
Area of application	Railway industry
	Mechanical engineering
	Plant engineering
Rated surge voltage	8 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1
Maximum load current	192 A (in case of a 70 mm <sup>2</sup> conductor cross section, the maximum load current must not be exceeded by the total current of all connected conductors.)
Nominal current I <sub>N</sub>	192 A

# Bolt connection terminal block - RBO 8-FE - 3213139

## Technical data

### General

Nominal voltage $U_N$	1000 V
Open side panel	No
Number of positions	1

### Dimensions

Width	29 mm
Length	136 mm
Height	66 mm
Height NS 35/7,5	67 mm
Height NS 35/15	74.5 mm

### Connection data

Note	Connection bolts
Connection method	Bolt connection
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid min.	6 mm <sup>2</sup>
Conductor cross section solid max.	70 mm <sup>2</sup>
Conductor cross section AWG min.	8
Conductor cross section AWG max.	2/0
Conductor cross section flexible min.	6 mm <sup>2</sup>
Conductor cross section flexible max.	70 mm <sup>2</sup>
Min. AWG conductor cross section, flexible	8
Max. AWG conductor cross section, flexible	2/0
Cable lug connection according to standard	DIN 46 234
Min. cross section for cable lug connection	2.5 mm <sup>2</sup>
Max. cross section for cable lug connection	70 mm <sup>2</sup>
Hole diameter	8.4 mm
Width	22 mm
Bolt diameter	8 mm
Screw thread	M8
Tightening torque, min	6 Nm
Tightening torque max	12 Nm
Cable lug connection according to standard	DIN 46,235
Min. cross section for cable lug connection	16 mm <sup>2</sup>
Max. cross section for cable lug connection	70 mm <sup>2</sup>
Hole diameter	8.4 mm
Width	24 mm
Bolt diameter	8 mm
Screw thread	M8
Tightening torque, min	6 Nm
Tightening torque max	12 Nm
Screw thread	M8

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## Technical data

### Connection data

Tightening torque, min	6 Nm
Tightening torque max	12 Nm

### Standards and Regulations

Connection in acc. with standard	UL
	IEC 60947-7-1
	DIN 46 234
	DIN 46,235
Flammability rating according to UL 94	V0

## Classifications

### eCl@ss

eCl@ss 4.0	27141120
eCl@ss 4.1	27141120
eCl@ss 5.0	27141120
eCl@ss 5.1	27141120
eCl@ss 6.0	27141120
eCl@ss 7.0	27141120
eCl@ss 8.0	27141120
eCl@ss 9.0	27141120

### ETIM

ETIM 3.0	EC000897
ETIM 4.0	EC000897
ETIM 5.0	EC000897

### UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410

## Approvals

### Approvals

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Approvals

UL Recognized / EAC

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# Bolt connection terminal block - RBO 8-FE - 3213139

## Approvals

Ex Approvals

IECEX / ATEX

Approvals submitted

## Approval details

UL Recognized		
	B	C
Nominal current I <sub>N</sub>	175 A	175 A
Nominal voltage U <sub>N</sub>	600 V	600 V

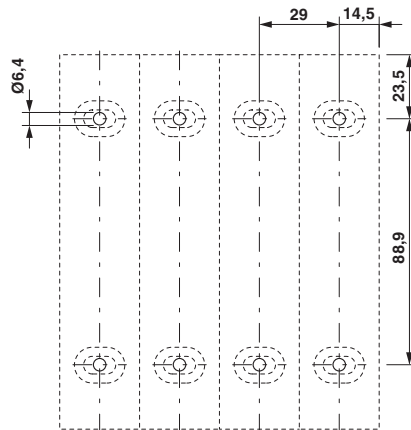
EAC
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## Drawings

Circuit diagram



Dimensional drawing



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