

Bolt connection terminal block - RBO 8 - 3213137

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Bolt connection terminal block, Connection method: Bolt connection, Number of positions: 1, Cross section: 6 mm² - 70 mm², AWG: 8 - 2/0, Width: 29 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15

Product Features

- ☒ Mounting on standard DIN rails or directly in control boxes
- ☒ Optional snap-on shock protection
- ☒ Tested for railway applications
- ☒ Potential distribution with connection rails

Key commercial data

package_quantity	10
GTIN	4046356549196

Technical data

General

Number of levels	1
Number of connections	2
Color	gray
Insulating material	PA
Inflammability class according to UL 94	V0
Area of application	Railway industry
Area of application	Mechanical engineering
Area of application	Plant engineering

General

Maximum load current	192 A (At 70 mm ² conductor cross section)
Rated surge voltage	8 kV
Pollution degree	3
Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1
Nominal current I _N	192 A
Nominal voltage U _N	1000 V
Open side panel	nein
Number of positions	1

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Technical data

General

Surge voltage test setpoint	9.8 kV
Result of surge voltage test	Test passed
Power frequency withstand voltage setpoint	2.2 kV
Result of power-frequency withstand voltage test	Test passed
Checking the mechanical stability of terminal points (5 x conductor connection)	Test passed
Tight fit on carrier	NS 35
Setpoint	10 N
Result of tight fit test	Test passed
Requirements, voltage drop	≤ 3.2 mV
Result of voltage drop test	Test passed
Temperature-rise test	Test passed
Conductor cross section short circuit testing	70 mm ²
Short-time current	8.4 kA
Short circuit stability result	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s
Result of thermal test	Test passed
Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2008-03
Test spectrum	Service life test category 1, class B, body mounted
Test frequency	f ₁ = 5 Hz to f ₂ = 150 Hz
ASD level	0.02 g ² /Hz
Acceleration	0.8 g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Oscillation, broadband noise test result	Test passed
Test specification, shock test	DIN EN 50155 (VDE 0115-200):2008-03
Shock form	Half-sine
Acceleration	5 g
Shock duration	30 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Shock test result	Test passed
Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Static insulating material application in cold	-60 °C

Dimensions

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

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Technical data

Connection data

Note	Connection bolts
Conductor cross section solid min.	6 mm ²
Conductor cross section solid max.	70 mm ²
Conductor cross section AWG/kcmil min.	8
Conductor cross section AWG/kcmil max	2/0
Conductor cross section stranded min.	6 mm ²
Conductor cross section stranded max.	70 mm ²
Min. AWG conductor cross section, stranded	8
Max. AWG conductor cross section, stranded	2/0
Min. cross section for cable lug connection	2.5 mm ²
Max. cross section for cable lug connection	70 mm ²
Connection method	Bolt connection
Screw thread	M8
Tightening torque, min	6 Nm
Tightening torque max	12 Nm

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

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

UL Recognized / CSA / GOST /

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approvals

Approval details

UL Recognized 		
Usegroups	B	C
Nominal voltage UN	600 V	600 V
Nominal current IN	175 A	175 A
mm²/AWG/kcmil		

CSA 		
Usegroups	B	C
Nominal voltage UN	600 V	600 V
Nominal current IN	175 A	175 A
mm²/AWG/kcmil		

GOST 		
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accessories

Labeled device marker

EML (51X25)R YE /RBO8 - 0801353



Cover profile

HC-RBO 8 - 3247967



Cover

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accessories

HC-RBO 8 BU - 3247969



HC-RBO 8-FE - 3247968



Bridge

RBO 8-VS 2 - 3213179



RBO 8-VS 3 - 3213182



Mounting rail

NS 35/ 7,5 PERF 2000MM - 0801733



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accessories

NS 35/ 7,5 UNPERF 2000MM - 0801681



NS 35/ 7,5 WH PERF 2000MM - 1204119



NS 35/ 7,5 WH UNPERF 2000MM - 1204122



NS 35/ 7,5 AL UNPERF 2000MM - 0801704



NS 35/ 7,5 ZN PERF 2000MM - 1206421



NS 35/ 7,5 ZN UNPERF 2000MM - 1206434



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accessories

NS 35/ 7,5 CU UNPERF 2000MM - 0801762



NS 35/ 7,5 CAP - 1206560



NS 35/15 PERF 2000MM - 1201730



NS 35/15 UNPERF 2000MM - 1201714



NS 35/15 WH PERF 2000MM - 0806602



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accessories

NS 35/15 WH UNPERF 2000MM - 1204135



NS 35/15 AL UNPERF 2000MM - 1201756



NS 35/15 ZN PERF 2000MM - 1206599



NS 35/15 ZN UNPERF 2000MM - 1206586



NS 35/15 CU UNPERF 2000MM - 1201895



NS 35/15 CAP - 1206573



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accessories

NS 35/15-2,3 UNPERF 2000MM - 1201798



Terminal marking

ZB 10:UNBEDRUCKT - 1053001



UC-TM 10 - 0818069



UCT-TM 10 - 0829142



ZBF10:UNBEDRUCKT - 0809997



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accessories

UC-TMF 10 - 0818124



UCT-TMF 10 - 0829204



Labeled terminal marker

ZB 10 CUS - 0824941



UC-TM 10 CUS - 0824605



UCT-TM 10 CUS - 0829623



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accessories

ZBF10 CUS - 0825031



UC-TMF 10 CUS - 0824662



UCT-TMF 10 CUS - 0829679



Planning and marking software

CLIP-PROJECT ADVANCED - 5146040



CLIP-PROJECT PROFESSIONAL - 5146053



End block

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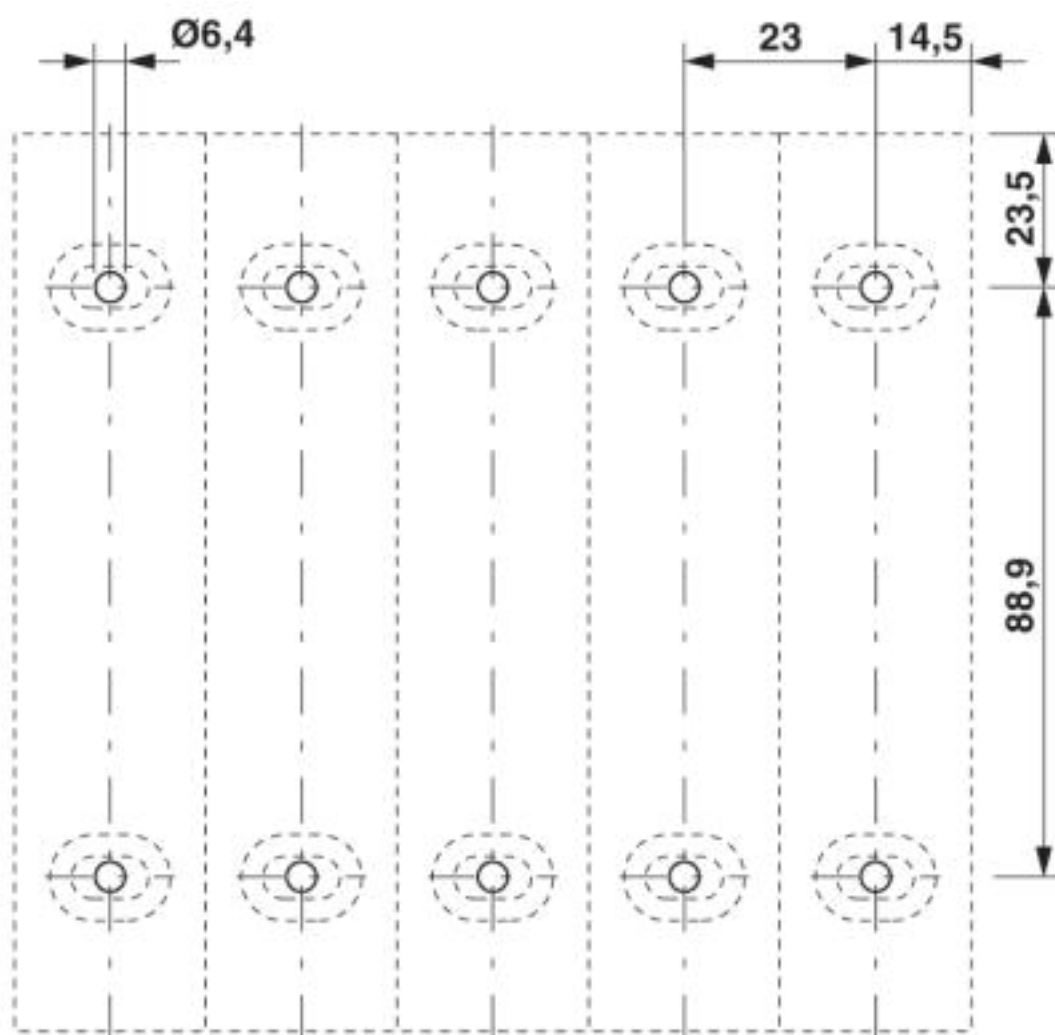
accessories

E/AL-NS 35 - 1201662



Drawings

Dimensioned drawing



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Circuit diagram



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