

Bolt connection terminal block - RBO 5 - 3058059

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Feed-through terminal block with bolt connection method, cross section: 0.1 - 6 mm², AWG: 26 - 10, width 13 mm, color: gray

Product Features

- ✓ Compact connection with ring and fork-type cable lugs
- ✓ Mounting on standard DIN rails or directly in control boxes
- ✓ Isolator bridge bar for switchable cross connections
- ✓ Bridge shaft for potential distribution using standard screw bridges

Key commercial data

package_quantity	50
GTIN	4046356500319

Technical data

General

Number of levels	1
Number of connections	2
Color	gray
Insulating material	PA
Inflammability class according to UL 94	V0

General

Maximum load current	57 A (with 10 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	57 A
Nominal voltage U _N	800 V
Open side panel	ja
Surge voltage test setpoint	9.8 kV
Result of surge voltage test	Test passed
Power frequency withstand voltage setpoint	2 kV
Result of power-frequency withstand voltage test	Test passed

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Technical data

General

Checking the mechanical stability of terminal points (5 x conductor connection)	Test passed
Tight fit on carrier	NS 35
Setpoint	5 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	10 mm ²
Short-time current	1.2 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

Dimensions

Width	13 mm
Length	53.3 mm
Height NS 35/7,5	47 mm
Height NS 35/15	54.6 mm

Connection data

Note	Connection bolts
Conductor cross section solid min.	0.1 mm ²
Conductor cross section solid max.	10 mm ²
Conductor cross section AWG/kcmil min.	26

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Technical data

Connection data

Conductor cross section AWG/kcmil max	8
Conductor cross section stranded min.	0.1 mm ²
Conductor cross section stranded max.	10 mm ²
Min. AWG conductor cross section, stranded	26
Max. AWG conductor cross section, stranded	8
Min. cross section for cable lug connection	0.1 mm ²
Max. cross section for cable lug connection	10 mm ²
Connection method	Bolt connection
Screw thread	M5
Tightening torque, min	2 Nm
Tightening torque max	2.2 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 2.0	EC000897
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 / cUL Recognized / cULus Recognized /

Approval details

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approvals

UL Recognized 		
Usegroups	B	C
Nominal voltage UN	600 V	600 V
Nominal current IN	45 A	45 A
mm²/AWG/kcmil		

cUL Recognized 		
Usegroups	B	C
Nominal voltage UN	600 V	600 V
Nominal current IN	45 A	45 A
mm²/AWG/kcmil		

cULus Recognized  US		
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accessories

Partition plate

TS-KK 3 - 2770215



Socket spanner

SHN 8 - 1209868



Cover profile

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accessories

AP RSC - 3058017



End cover

D-RSC 5 - 3058020



Bridge

FB 10-13 - 3059126



FB 10-13 ISO - 3059663



Mounting rail

NS 32 PERF 2000MM - 1201002



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accessories

NS 32 UNPERF 2000MM - 1201015



NS 35/ 7,5 PERF 2000MM - 0801733



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



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accessories

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



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



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



NS 35/ 7,5 CAP - 1206560



NS 35/15 PERF 2000MM - 1201730



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accessories

NS 35/15 UNPERF 2000MM - 1201714



NS 35/15 WH PERF 2000MM - 0806602



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



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accessories

NS 35/15 CU UNPERF 2000MM - 1201895



NS 35/15 CAP - 1206573



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



Terminal marking

ZB 13:UNBEDRUCKT - 0829131



ZBF 13:UNBEDRUCKT - 0829133



Labeled terminal marker

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accessories

ZB 13 CUS - 0829132



ZBF 13 CUS - 0829134



End block

CLIPFIX 35 - 3022218



CLIPFIX 35-5 - 3022276



E/NS 35 N - 0800886



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accessories

E/UK - 1201442



E/UK 1 - 1201413



Drawings

Circuit diagram



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