

Bolt connection terminal block - RSC 5 - 3058143

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Feed-through terminal block with bolt connection method, cross section: 0.1 - 10 mm², AWG: 26 - 8, width 13 mm, color: gray

Product Features

- ✓ Mounting on standard DIN rails or directly in control boxes
- ✓ Large-surface, consistent external and center labeling
- ✓ Compact screw connection of ring and fork-type cable lugs
- ✓ Screw nuts and current bars are latched in the insulating housing and cannot be removed
- ✓ Cover profile that can be snapped directly onto the terminal blocks provides touch-proof protection
- ✓ Bridge shaft for potential distribution using standard screw bridges
- ✓ The isolator bridge bar supports switchable cross connections; the bridge screw therefore has the function of a live contact

Key commercial data

package_quantity	50
GTIN	4046356500296

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

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Technical data

General

Result of surge voltage test	Test passed
Power frequency withstand voltage setpoint	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	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	47.1 mm
Height NS 35/15	54.6 mm

Connection data

Note	Connection bolts
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Technical data

Connection data

Conductor cross section solid min.	0.1 mm ²
Conductor cross section solid max.	10 mm ²
Conductor cross section AWG/kcmil min.	26
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 / VDE Zeichengenehmigung / IECCE CB Scheme / GOST / cUL Recognized / cULus Recognized /

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approvals

Approval details

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

VDE Zeichengenehmigung 	
Nominal voltage UN	800 V
Nominal current IN	57 A
mm²/AWG/kcmil	0.2-10

IECEE CB Scheme 	
Nominal voltage UN	800 V
Nominal current IN	57 A
mm²/AWG/kcmil	0.2-10

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

cULus Recognized 		
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accessories

Partition plate

TS-KK 3 - 2770215



Screwdriver tools

SZK PH2 VDE - 1205163



SZS 1,2X8,0 VDE - 1205082



Cover profile

AP RSC - 3058017



End cover

D-RSC 5 - 3058020



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accessories

Bridge

FB 10-13 - 3059126



FB 10-13 ISO - 3059663



Mounting rail

NS 35/ 7,5 PERF 2000MM - 0801733



NS 35/ 7,5 UNPERF 2000MM - 0801681



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



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accessories

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



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



NS 35/ 7,5 CAP - 1206560



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accessories

NS 35/15 PERF 2000MM - 1201730



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



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accessories

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



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



Terminal marking

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accessories

ZB 13:UNBEDRUCKT - 0829131



ZBF 13:UNBEDRUCKT - 0829133



Labeled terminal marker

ZB 13 CUS - 0829132



ZBF 13 CUS - 0829134



End block

CLIPFIX 35 - 3022218



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accessories

CLIPFIX 35-5 - 3022276



E/NS 35 N - 0800886



E/UK - 1201442



E/UK 1 - 1201413



Drawings

Circuit diagram

