

Bolt connection terminal block - RSC 4 - 3058127

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)



Feed-through terminal block with bolt connection method, cross section: 0.1 - 6 mm², AWG: 26 - 10, width 9 mm, color: gray

Product Features

- ✓ Large-surface, consistent external and center labeling
- ✓ Mounting on standard DIN rails or directly in control boxes
- ✓ 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
- ✓ The isolator bridge bar supports switchable cross connections; the bridge screw therefore has the function of a live contact
- ✓ Bridge shaft for potential distribution using standard screw bridges

Key commercial data

package_quantity	50
GTIN	4046356500289

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	32 A (with 4 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	32 A
Nominal voltage U _N	800 V
Open side panel	ja
Result of surge voltage test	Test passed

Bolt connection terminal block - RSC 4 - 3058127

Technical data

General

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/NS 32
Setpoint	1 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	4 mm ²
Short-time current	0.48 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	9 mm
Length	53.3 mm
Height NS 35/7,5	47.1 mm
Height NS 35/15	54.6 mm
Height NS 32	52 mm

Connection data

Note	Connection bolts
------	------------------

Bolt connection terminal block - RSC 4 - 3058127

Technical data

Connection data

Conductor cross section solid min.	0.1 mm ²
Conductor cross section solid max.	6 mm ²
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	10
Conductor cross section stranded min.	0.1 mm ²
Conductor cross section stranded max.	6 mm ²
Min. AWG conductor cross section, stranded	26
Max. AWG conductor cross section, stranded	10
Min. cross section for cable lug connection	0.1 mm ²
Max. cross section for cable lug connection	6 mm ²
Connection method	Bolt connection
Screw thread	M4
Tightening torque, min	1.2 Nm
Tightening torque max	1.4 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 Gutachten mit Fertigungsüberwachung / IECEx CB Scheme / cUL Recognized / GOST / cULus Recognized /

Bolt connection terminal block - RSC 4 - 3058127

approvals

Approval details

UL Recognized 		
Usegroups	B	C
Nominal voltage UN	600 V	600 V
Nominal current IN	30 A	30 A
mm ² /AWG/kcmil		

VDE Gutachten mit Fertigungsüberwachung 	
Nominal voltage UN	800 V
Nominal current IN	32 A
mm ² /AWG/kcmil	0.2-4

IECEE CB Scheme 	
Nominal voltage UN	800 V
Nominal current IN	32 A
mm ² /AWG/kcmil	0.2-4

cUL Recognized 		
Usegroups	B	C
Nominal voltage UN	600 V	600 V
Nominal current IN	30 A	30 A
mm ² /AWG/kcmil		

GOST 
--

cULus Recognized 
--

Bolt connection terminal block - RSC 4 - 3058127

accessories

Partition plate

TS-KK 3 - 2770215



Screwdriver tools

SZK PH2 VDE - 1205163



SZS 1,0X6,5 VDE - 1205079



Cover profile

AP RSC - 3058017



End cover

D-RSC 5 - 3058020



Bolt connection terminal block - RSC 4 - 3058127

accessories

Bridge

FB 10-9 - 3059113



FB 10-9 ISO - 3059650



Mounting rail

NS 35/ 7,5 PERF 2000MM - 0801733



NS 35/ 7,5 UNPERF 2000MM - 0801681



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



Bolt connection terminal block - RSC 4 - 3058127

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



Bolt connection terminal block - RSC 4 - 3058127

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



Bolt connection terminal block - RSC 4 - 3058127

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

Bolt connection terminal block - RSC 4 - 3058127

accessories

ZB 9:UNBEDRUCKT - 0829127



ZBF 9:UNBEDRUCKT - 0829129



Labeled terminal marker

ZB 9 CUS - 0829128



ZBF 9 CUS - 0829130



End block

CLIPFIX 35 - 3022218



Bolt connection terminal block - RSC 4 - 3058127

accessories

CLIPFIX 35-5 - 3022276



E/NS 35 N - 0800886



E/UK - 1201442



E/UK 1 - 1201413



Drawings

Circuit diagram

