

Bolt connection terminal block - OTTA 2,5 - 0790530

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Universal terminal block with bolt connection, cross section: 0.1 - 2.5 mm², width: 9 mm, color: Gray

Key commercial data

package_quantity	50
GTIN	4017918005641

Technical data

General

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

General

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	24 A
Nominal voltage U _N	800 V (the nominal voltage applies to insulated cable lugs)
Open side panel	ja
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Back of the hand protection	guaranteed
Finger protection	guaranteed
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
Setpoint	1 N
Result of tight fit test	Test passed

Bolt connection terminal block - OTTA 2,5 - 0790530

Technical data

General

Requirements, voltage drop	≤ 3.2 mV
Result of voltage drop test	Test passed
Temperature-rise test	Test passed
Conductor cross section short circuit testing	2.5 mm ²
Short-time current	0.3 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, shock test	DIN EN 50155 (VDE 0115-200):2008-03
Shock form	Semi-sinusoidal
Acceleration	5 g
Shock duration	50 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))	120 °C

Dimensions

Length	43.5 mm
Width	9 mm
Height NS 35/7,5	45.5 mm
Height NS 35/15	53 mm
Height NS 32	50.5 mm

Connection data

Conductor cross section solid min.	0.1 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section stranded min.	0.1 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	14
Screw thread	M3
Tightening torque, min	0.6 Nm
Tightening torque max	0.8 Nm
Connection method	Bolt connection
Connection in acc. with standard	DIN 46 234
Min. cross section	0.1 mm ²
Max. cross section	2.5 mm ²
Hole diameter	3.2 mm
Bolt diameter	3 mm
Connection in acc. with standard	DIN 46237

Bolt connection terminal block - OTTA 2,5 - 0790530

Technical data

Connection data

Min. cross section	0.5 mm ²
Max. cross section	2.5 mm ²
Hole diameter	3.2 mm
Bolt diameter	3 mm

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

CSA / UL Recognized / LR / GL / PRS /

Approval details

CSA 	
Nominal voltage UN	600 V
Nominal current IN	20 A
mm ² /AWG/kcmil	22-14

Bolt connection terminal block - OTTA 2,5 - 0790530

approvals

UL Recognized 		
Usegroups	B	C
Nominal voltage UN	600 V	600 V
Nominal current IN	20 A	20 A
mm ² /AWG/kcmil		

LR

GL	
Nominal voltage UN	800 V
Nominal current IN	24 A
mm ² /AWG/kcmil	2,5

PRS

accessories

End cover

D-OTTA 2,5 - 0790569



Partition plate

ATP-OTTA 2,5 - 0790572



Screwdriver tools

Bolt connection terminal block - OTTA 2,5 - 0790530

accessories

SZS 0,6X3,5 - 1205053



Bridge

EB 2-OTTA 2,5 - 3026065



EB 3-OTTA 2,5 - 3026078



EB 4-OTTA 2,5 - 3026081



EB 5-OTTA 2,5 - 3026094



Bolt connection terminal block - OTTA 2,5 - 0790530

accessories

EB 6-OTTA 2,5 - 3026104



EB 7-OTTA 2,5 - 3026117



EB 10-OTTA 2,5 - 3026120



Mounting rail

NS 32 PERF 2000MM - 1201002



NS 32 UNPERF 2000MM - 1201015



Bolt connection terminal block - OTTA 2,5 - 0790530

accessories

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



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



Bolt connection terminal block - OTTA 2,5 - 0790530

accessories

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



NS 35/15 UNPERF 2000MM - 1201714



Bolt connection terminal block - OTTA 2,5 - 0790530

accessories

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



NS 35/15 CU UNPERF 2000MM - 1201895



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accessories

NS 35/15 CAP - 1206573



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



Terminal marking

ZB 8:UNBEDRUCKT - 1052002



UC-TM 8 - 0818072



UCT-TM 8 - 0828740



Labeled terminal marker

Bolt connection terminal block - OTTA 2,5 - 0790530

accessories

ZB 8 CUS - 0825011



UC-TM 8 CUS - 0824597



UCT-TM 8 CUS - 0829616



End block

CLIPFIX 35 - 3022218



CLIPFIX 35-5 - 3022276



Bolt connection terminal block - OTTA 2,5 - 0790530

accessories

E/NS 35 N - 0800886



E/UK - 1201442



E/UK 1 - 1201413



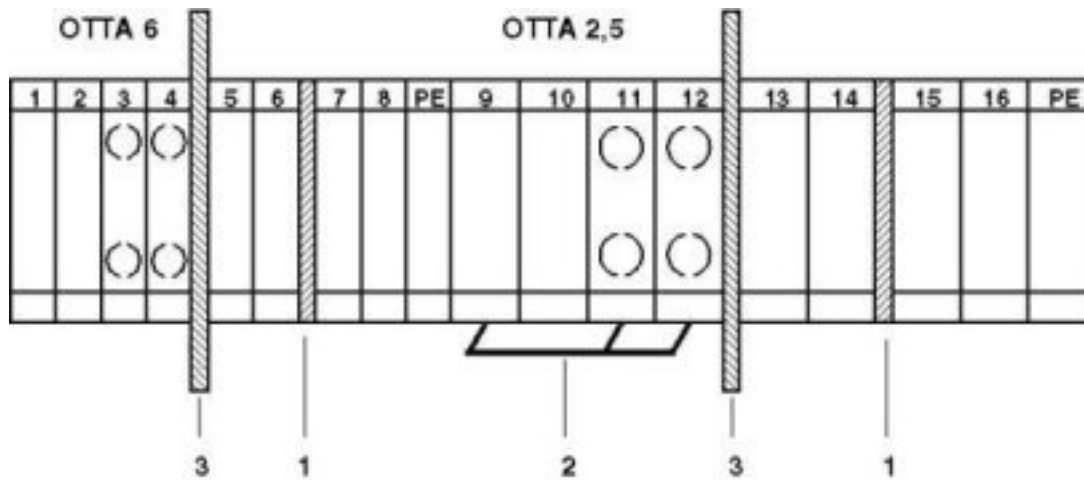
Drawings

Circuit diagram



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Circuit diagram



1 = cover
2 = insertion bridge
3 = partition plate

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