

Bolt connection terminal block - OTTA 6 - 0790433


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Bolt connection terminal block, Connection method: Bolt connection, Cross section: 0.1 mm² - 6 mm², AWG: 26 - 10, Width: 11 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15, NS 32



Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 005542
Weight per Piece (excluding packing)	23.188 g
Custom tariff number	85369010
Country of origin	India

Technical data

General

Number of levels	1
Number of connections	2
Nominal cross section	6 mm ²
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Rated surge voltage	8 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1
Nominal current I _N	41 A
Maximum load current	41 A (with 6 mm ² conductor cross section)

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Technical data

General

Nominal voltage U_N	800 V (the nominal voltage applies to insulated cable lugs)
Open side panel	Yes
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
Surge voltage test setpoint	9.8 kV
Result of power-frequency withstand voltage test	Test passed
Power frequency withstand voltage setpoint	2 kV
Result of the test for mechanical stability of terminal points (5 x conductor connection)	Test passed
Result of bending test	Test is not applicable
Tensile test result	Test is not applicable
Result of tight fit on support	Test passed
Tight fit on carrier	NS 32/NS 35
Setpoint	5 N
Result of voltage-drop test	Test passed
Requirements, voltage drop	≤ 3.2 mV
Result of temperature-rise test	Test passed
Short circuit stability result	Test passed
Conductor cross section short circuit testing	6 mm ²
Short-time current	0.72 kA
Result of aging test	Test is not applicable
Result of thermal test	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Static insulating material application in cold	-60 °C

Dimensions

Length	43.5 mm
Width	11 mm
Height NS 35/7,5	52 mm
Height NS 35/15	59.5 mm
Height NS 32	57 mm

Connection data

Conductor cross section solid min.	0.1 mm ²
Conductor cross section solid max.	6 mm ²

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Technical data

Connection data

Conductor cross section flexible min.	0.1 mm ²
Conductor cross section flexible max.	6 mm ²
Conductor cross section AWG min.	26
Conductor cross section AWG max.	10
Screw thread	M4
Tightening torque, min	1.5 Nm
Tightening torque max	1.8 Nm
Connection method	Bolt connection
Connection in acc. with standard	DIN 46 234
Min. cross section	0.1 mm ²
Max. cross section	6 mm ²
Hole diameter	4.3 mm
Bolt diameter	4 mm
Connection in acc. with standard	DIN 46237
Min. cross section	0.5 mm ²
Max. cross section	2.5 mm ²
Hole diameter	4.3 mm
Bolt diameter	4 mm

Standards and Regulations

Connection in acc. with standard	CSA
	IEC 60947-7-1
	DIN 46 234
	DIN 46237
Flammability rating according to UL 94	V0

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
eCl@ss 9.0	27141120

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Classifications

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

Approvals


Approvals

CSA / UL Recognized / VDE Zeichengenehmigung / GL / PRS / IECCEB Scheme / EAC / EAC

Ex Approvals


Approvals submitted


Approval details

CSA 	
mm ² /AWG/kcmil	22-10
Nominal current I _N	30 A
Nominal voltage U _N	600 V

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Approvals

UL Recognized 	
Nominal current IN	30 A
Nominal voltage UN	600 V

VDE Zeichengenehmigung 	
mm ² /AWG/kcmil	6
Nominal current IN	41 A
Nominal voltage UN	800 V

GL

PRS

IECEE CB Scheme 	
mm ² /AWG/kcmil	6
Nominal current IN	41 A
Nominal voltage UN	800 V

EAC

EAC

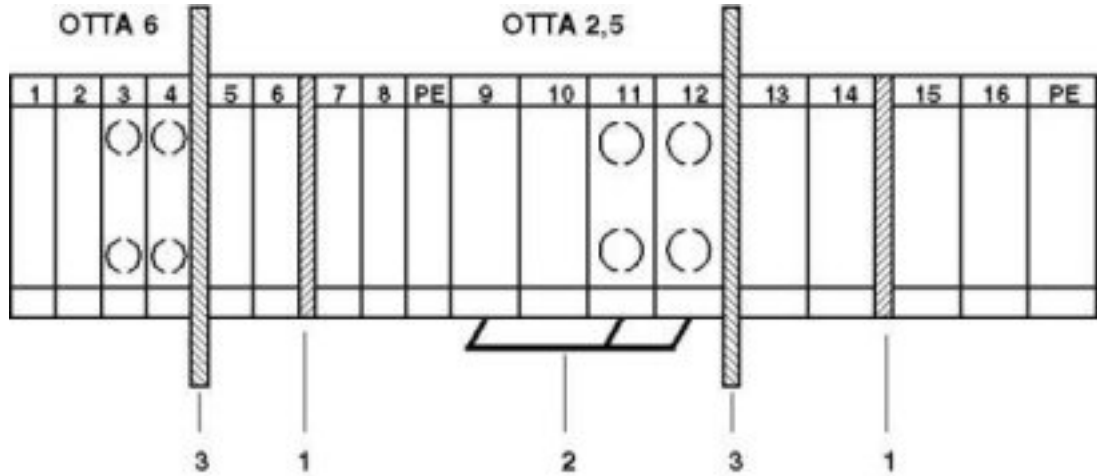
Drawings

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Circuit diagram



Circuit diagram



- 1 = cover
- 2 = insertion bridge
- 3 = partition plate