

0713119
<https://www.phoenixcontact.com/us/products/0713119>

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 documentation. Our general terms of use for downloads are valid.



Bolt connection terminal block, with PH2 screw, nom. voltage: 800 V, nominal current: 41 A, number of connections: 2, connection method: Bolt connection, 1 level, Rated cross section: 6 mm², mounting type: NS 32, NS 35/7,5, NS 35/15, color: gray

Commercial data

Item number	0713119
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BE45
Product key	BE4513
GTIN	4046356013321
Weight per piece (including packing)	22.773 g
Weight per piece (excluding packing)	22.773 g
Customs tariff number	85369010
Country of origin	IN

OTTA 6 PH2 - Bolt connection terminal block



0713119

<https://www.phoenixcontact.com/us/products/0713119>

Technical data

Product properties

Product type	Bolt connection terminal block
Number of connections	2
Number of rows	1
Potentials	1

Data management status

Article revision	01
------------------	----

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	8 kV
---------------------	------

Connection data

Number of connections per level	2
Nominal cross section	6 mm ²

1 level

Stripping length	The stripping length depends on the specification provided by the cable lug manufacturer.
Connection in acc. with standard	IEC 60947-7-1
Nominal current	41 A
Maximum load current	41 A (with 6 mm ² conductor cross section)
Nominal voltage	800 V (the nominal voltage applies to insulated cable lugs)
Nominal cross section	6 mm ²

Cable lug connection DIN 46234:1980-03

Connection in acc. with standard	DIN 46234:1980-03
Cross section	0.1 mm ² ... 6 mm ²
Cross section range AWG	24 ... 10 (converted acc. to IEC)
Hole diameter	4.3 mm
Width	9.6 mm
Bolt diameter	4 mm
Screw thread	M4
Tightening torque	1.5 ... 1.8 Nm
Identification color of ring cable lugs : red	1.5 mm ²
Identification color of ring cable lugs : blue	2.5 mm ²
Identification color of ring cable lugs : yellow	6 mm ²
Connection in acc. with standard	DIN 46237:1970-07
Cross section	0.5 mm ² ... 2.5 mm ²

OTTA 6 PH2 - Bolt connection terminal block



0713119

<https://www.phoenixcontact.com/us/products/0713119>

Cross section range AWG	20 ... 14 (converted acc. to IEC)
Hole diameter	4.3 mm
Width	9.6 mm
Bolt diameter	4 mm
Screw thread	M4
Tightening torque	1.5 ... 1.8 Nm

Dimensions

Width	11 mm
End cover width	1.5 mm

Material specifications

Color	gray
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed

Electrical tests

Surge voltage test

Test voltage setpoint	9.8 kV
Result	Test passed

Temperature-rise test

Requirement temperature-rise test	Increase in temperature ≤ 45 K
Result	Test passed
Short-time withstand current 6 mm ²	0.72 kA
Result	Test passed

Power-frequency withstand voltage

Test voltage setpoint	2 kV
Result	Test passed

Mechanical properties

OTTA 6 PH2 - Bolt connection terminal block



0713119

<https://www.phoenixcontact.com/us/products/0713119>

Mechanical data

Open side panel	Yes
-----------------	-----

Mechanical tests

Mechanical strength

Result	Test passed
--------	-------------

Attachment on the carrier

DIN rail/fixing support	NS 32/NS 35
Test force setpoint	5 N
Result	Test passed

Environmental and real-life conditions

Needle-flame test

Time of exposure	30 s
Result	Test passed

Standards and regulations

Connection in acc. with standard	IEC 60947-7-1
----------------------------------	---------------

Mounting

Mounting type	NS 32
	NS 35/7,5
	NS 35/15

OTTA 6 PH2 - Bolt connection terminal block



0713119

<https://www.phoenixcontact.com/us/products/0713119>

Drawings

Circuit diagram



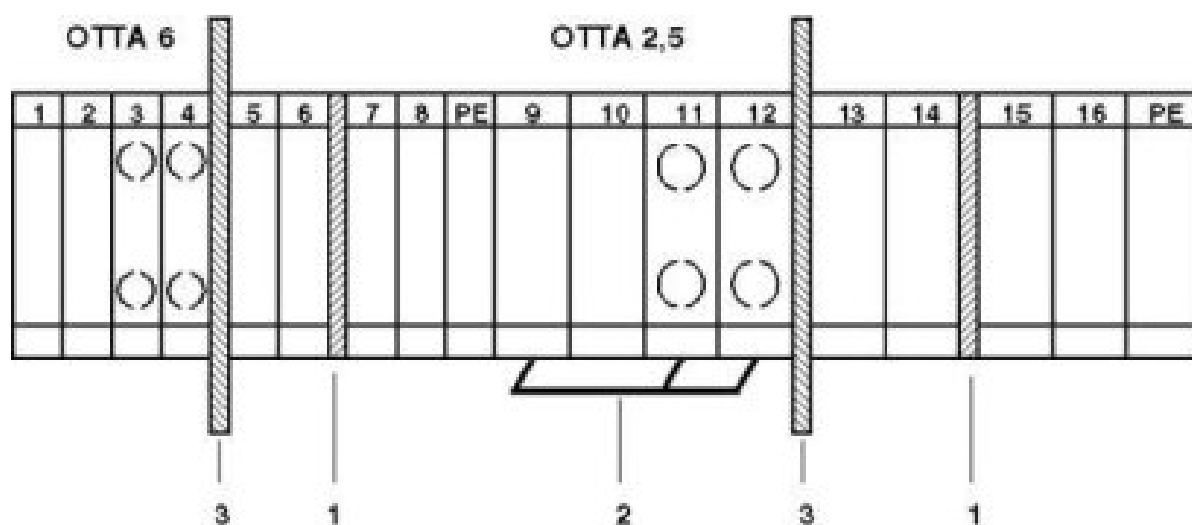
OTTA 6 PH2 - Bolt connection terminal block



0713119

<https://www.phoenixcontact.com/us/products/0713119>

Circuit diagram



Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com