

PT 4-DIO 1N 5408/L-R - Component terminal block



3212112

<https://www.phoenixcontact.com/us/products/3212112>

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.



Component terminal block, The max. current is determined by the diode. Installed: diode 1N 5408, reverse voltage: 1000 V, maximum continuous current: 1.5 A, with integrated diode 1N5408, nom. voltage: 800 V, nominal current: 1.5 A, connection method: Push-in connection, Rated cross section: 1 mm², cross section: 0.2 mm² - 6 mm², mounting: NS 35/7,5, NS 35/15, color: gray

Your advantages

- The compact design and front connection enable wiring in a confined space

- The Push-in connection terminal blocks are characterized by the system features of the CLIPLINE complete system and by easy and tool-free wiring of conductors with ferrules or solid conductors
- In addition to the testing option in the double function shaft, all terminal blocks provide an additional test pick-off

Commercial data

Item number	3212112
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE22
Product key	BE2272
Catalog page	Page 160 (C-3-2013)
GTIN	4046356509183
Weight per piece (including packing)	9.07 g
Weight per piece (excluding packing)	9.07 g
Customs tariff number	85369010
Country of origin	CN

PT 4-DIO 1N 5408/L-R - Component terminal block



3212112

<https://www.phoenixcontact.com/us/products/3212112>

Technical data

Notes

General	The max. current is determined by the diode. Installed: diode 1N 5408, reverse voltage: 1000 V, maximum continuous current: 1.5 A
---------	---

Product properties

Product type	Component terminal block
Number of connections	2
Number of rows	1
Potentials	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	1.02 W

Connection data

Number of connections per level	2
Nominal cross section	4 mm ²
Stripping length	10 mm ... 12 mm
Internal cylindrical gage	A4
Conductor cross section rigid	0.2 mm ² ... 6 mm ²
Cross section AWG	24 ... 10 (converted acc. to IEC)
Conductor cross section flexible	0.2 mm ² ... 6 mm ²
Conductor cross section, flexible [AWG]	24 ... 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm ² ... 4 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm ² ... 4 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² ... 1 mm ²
Nominal current	1.5 A
Maximum load current	1.5 A (with 6 mm ² conductor cross section, rigid)
Nominal voltage	800 V
Nominal cross section	1 mm ²

Connection cross sections directly pluggable

Conductor cross section rigid	0.5 mm ² ... 6 mm ²
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm ² ... 4 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm ² ... 4 mm ²

Dimensions

PT 4-DIO 1N 5408/L-R - Component terminal block



3212112

<https://www.phoenixcontact.com/us/products/3212112>

Width	6.2 mm
End cover width	2.2 mm
Height	56 mm
Depth on NS 35/7,5	36.5 mm
Depth on NS 35/15	44 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

Mechanical properties

Mechanical data

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

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (operation)	20 % ... 90 %
Permissible humidity (storage/transport)	30 % ... 70 %

Mounting

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

PT 4-DIO 1N 5408/L-R - Component terminal block



3212112

<https://www.phoenixcontact.com/us/products/3212112>

Classifications

ECLASS

ECLASS-11.0	27141127
ECLASS-12.0	27141127
ECLASS-13.0	27250114

ETIM

ETIM 9.0	EC000903
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

PT 4-DIO 1N 5408/L-R - Component terminal block



3212112

<https://www.phoenixcontact.com/us/products/3212112>

Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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