

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



3211921

<https://www.phoenixcontact.com/us/products/3211921>

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, with integrated diode 1N5408, nominal current: 1.5 A, number of connections: 4, connection method: Push-in connection, Rated cross section: 4 mm², cross section: 0.2 mm² - 6 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

Your advantages

- 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
- The compact design and front connection enable wiring in a confined space
- In addition to the testing option in the double function shaft, all terminal blocks provide an additional test pick-off

Commercial data

Item number	3211921
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE22
Product key	BE2272
Catalog page	Page 104 (C-1-2019)
GTIN	4046356482691
Weight per piece (including packing)	13.257 g
Weight per piece (excluding packing)	12.38 g
Customs tariff number	85369010
Country of origin	CN

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



3211921

<https://www.phoenixcontact.com/us/products/3211921>

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	4
Number of rows	1
Potentials	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated insulation voltage	800 V
Rated surge voltage	8 kV

Connection data

Number of connections per level	4
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
Nominal cross section	4 mm ²
Component type	Diode 1N 5408
Reverse voltage	1000 V

Connection cross sections directly pluggable

Conductor cross section rigid	0.5 mm ² ... 6 mm ²
Conductor cross-section flexible (ferrule without plastic sleeve)	0.75 mm ² ... 4 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm ² ... 4 mm ²

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



3211921

<https://www.phoenixcontact.com/us/products/3211921>

Dimensions

Width	6.2 mm
End cover width	2.2 mm
Height	77 mm
Depth on NS 35/7,5	36.5 mm
Depth on NS 35/15	44 mm

Material specifications

Color	gray (RAL 7042)
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °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
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

Power-frequency withstand voltage

Test voltage setpoint	2 kV
Result	Test passed

Mechanical properties

Mechanical data

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

Mechanical tests

Attachment on the carrier

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

Environmental and real-life conditions

Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2022-06
---------------	-------------------------------------

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



3211921

<https://www.phoenixcontact.com/us/products/3211921>

Spectrum	Long life test category 2, bogie-mounted
Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$
ASD level	$6.12 \text{ (m/s}^2\text{)}^2/\text{Hz}$
Acceleration	3.12g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Result	Test passed

Shocks

Specification	DIN EN 50155 (VDE 0115-200):2022-06
Pulse shape	Half-sine
Acceleration	30g
Shock duration	18 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Result	Test passed

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

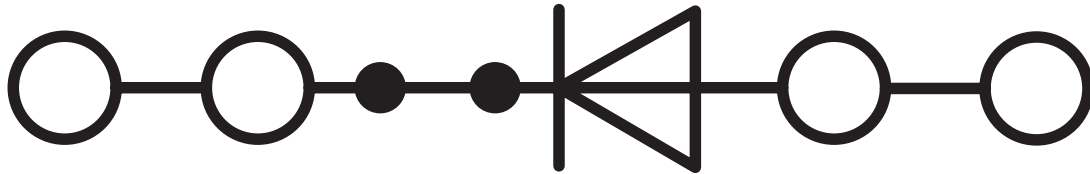
PT 4-QUATTRO-DIO 1N 5408/R-L - Component terminal block

3211921

<https://www.phoenixcontact.com/us/products/3211921>

Drawings

Circuit diagram



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



3211921

<https://www.phoenixcontact.com/us/products/3211921>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3211921>

DNV

Approval ID: TAE000010T



EAC

Approval ID: RU C-DE.BL08.B.00644



cULus Recognized

Approval ID: E60425



LR

Approval ID: LR2371832TA



NK

Approval ID: 14ME0912



BV

Approval ID: 39980/B0 BV



cULus Recognized

Approval ID: E60425



cULus Recognized

Approval ID: E60425

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



3211921
<https://www.phoenixcontact.com/us/products/3211921>

Classifications

ECLASS

ECLASS-13.0	27250114
-------------	----------

ETIM

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

UNSPSC

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

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



3211921

<https://www.phoenixcontact.com/us/products/3211921>

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	87365e65-14d9-4e53-a6f8-c0c823b02826

Phoenix Contact 2025 © - 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