

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



3036535

<https://www.phoenixcontact.com/sg/products/3036535>

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 1N 5408K, nom. voltage: 800 V, nominal current: 1.5 A, number of connections: 4, connection method: Spring-cage connection, Rated cross section: 1 mm², cross section: 0.08 mm² - 6 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

Commercial data

Item number	3036535
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	*****
Product key	BE2172
GTIN	4046356986908
Weight per piece (including packing)	14.906 g
Weight per piece (excluding packing)	14.906 g
Customs tariff number	85369010
Country of origin	PL

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



3036535

<https://www.phoenixcontact.com/sg/products/3036535>

Technical data

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

Connection data

Nominal cross section	4 mm ²
Stripping length	8 mm ... 10 mm
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.08 mm ² ... 6 mm ²
Cross section AWG	28 ... 10 (converted acc. to IEC)
Conductor cross section flexible	0.08 mm ² ... 4 mm ²
Conductor cross section, flexible [AWG]	28 ... 12 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm ² ... 4 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 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 (The max. current is determined by the diode. Integrated diode 1N 5408K, reverse voltage 1000 V, maximum continuous current 1.5 A.)
Nominal voltage	800 V
Nominal cross section	1 mm ²
Component type	Diode 1N 5408K
Reverse voltage	1000 V

Dimensions

Width	6.2 mm
End cover width	2.2 mm
Height	87 mm
Depth on NS 35/7,5	36.5 mm
Depth on NS 35/15	44 mm

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



3036535

<https://www.phoenixcontact.com/sg/products/3036535>

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
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

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



3036535

<https://www.phoenixcontact.com/sg/products/3036535>

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 %

Standards and regulations

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

Mounting

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

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

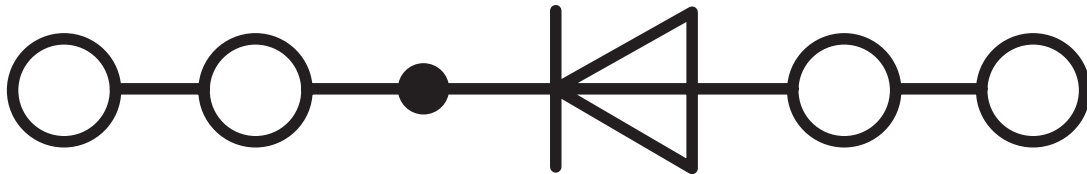


3036535

<https://www.phoenixcontact.com/sg/products/3036535>

Drawings

Circuit diagram



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



3036535

<https://www.phoenixcontact.com/sg/products/3036535>

Approvals

📄 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/sg/products/3036535>



EAC

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

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



3036535

<https://www.phoenixcontact.com/sg/products/3036535>

Classifications

ECLASS

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

ETIM

ETIM 8.0	EC000903
----------	----------

UNSPSC

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

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



3036535

<https://www.phoenixcontact.com/sg/products/3036535>

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	6e41fc6d-f7a4-4d09-8e15-ab738da61f78

Phoenix Contact 2025 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT SEA Pte. Ltd.
105 Eunos Avenue 3, #04-00
Singapore 409836
+65 6228 4900
marketing@phoenixcontact.com.sg