

3211444

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Component terminal block, with integrated 1N4007 diode, nominal current: 0.5 A, number of connections: 4, connection method: Push-in connection, Rated cross section: 2.5 mm², 1st and 2nd level, cross section: 0.14 mm² - 4 mm², mounting type: NS 35/7,5, NS 35/15, color: black

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

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- · In addition to the testing option in the double function shaft, all terminal blocks provide an additional test pick-off

Commercial data

Item number	3211444
Packing unit	50 pc
Minimum order quantity	50 pc
Product key	BE2272
GTIN	4055626348742
Weight per piece (including packing)	13.05 g
Weight per piece (excluding packing)	12.61 g
Country of origin	CN



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Technical data

notes

General	The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.

Product properties

Product type	Component terminal block
Number of connections	4
Number of rows	2
Insulation characteristics	
Overveltene estenes.	111

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated insulation voltage	500 V
Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	0.77 W

Connection data

Number of connections per level	2
Nominal cross section	2.5 mm ²

1st and 2nd level

Connection method	Push-in connection
Stripping length	8 mm 10 mm
Internal cylindrical gage	A4
	B3
Conductor cross-section rigid	0.14 mm² 4 mm²
Cross section AWG	26 12 (converted acc. to IEC)
Conductor cross-section flexible	0.14 mm² 4 mm²
Conductor cross-section, flexible [AWG]	26 12 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm² 2.5 mm²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.14 mm² 2.5 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ²
Nominal current	0.5 A
Maximum load current	0.5 A
Nominal cross section	2.5 mm²
Component type	Diode 1N4007
Reverse voltage	1300 V

1st and 2nd level Connection cross sections directly pluggable

Conductor cross-section rigid 0.34 mm ² 4 mm ²	Conductor cross-section rigid	0.34 mm² 4 mm²
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Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm² 2.5 mm²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.34 mm² 2.5 mm²

Dimensions

Width	5.2 mm
End cover width	2.2 mm
Height	68 mm
Depth on NS 35/7,5	47.5 mm
Depth on NS 35/15	55 mm

Material specifications

Color	black (RAL 9005)
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	7.3 kV
Result	Test passed
Short-time withstand current 2.5 mm²	0.3 kA
Short-time withstand current 4 mm²	0.48 kA
Result	Test passed

Power-frequency withstand voltage

Test voltage setpoint	1.89 kV
Result	Test passed

Mechanical properties

Mechanical data

Open side panel	Yes

Mechanical tests

Attachment on the carrier

DIN rail/fixing support	NS 35



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Test force setpoint	1 N
Result	Test passed
Test for conductor damage and slackening	
Rotation speed	10 rpm
Revolutions	135
Conductor cross-section/weight	0.14 mm² / 0.2 kg
	0.2 mm² / 0.2 kg
	2.5 mm² / 0.7 kg
	4 mm² / 0.9 kg
Result	Test passed
vironmental and real-life conditions	
Aging	
Temperature cycles	192
Result	Test passed
Needle-flame test	
Time of exposure	30 s
Result	Test passed
Oscillation/broadband noise	
Specification	DIN EN 50155 (VDE 0115-200):2022-06
Spectrum	Long life test category 2, bogie-mounted
Frequency	$f_1 = 5$ Hz to $f_2 = 250$ Hz
ASD level	6.12 (m/s²)²/Hz
Acceleration	3.12g
Test duration per axis	5.12g
Test directions	X-, Y- and Z-axis
Result	Test passed
	Took passed
Shocks	DIN EN E0455 (VDE 0445 000) 0040 05
Specification	DIN EN 50155 (VDE 0115-200):2018-05
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



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	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

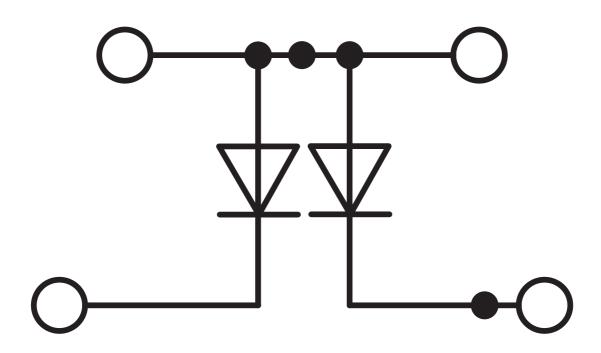


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Drawings







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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/3211444



EAC

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

CULus Recognized Approval ID: E60425				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
В				
	300 V	20 A	26 - 12	-
Current determined by the diode	300 V	0.5 A	26 - 12	-
С				
	300 V	20 A	26 - 12	-
Current determined by the diode	300 V	0.5 A	26 - 12	-



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Classifications

ECLASS

	ECLASS-13.0	27250114	
	ECLASS-15.0	27250114	
ETIM			
	TIVI		
	ETIM 9.0	EC000903	
	10700		
Uľ	NSPSC		
	UNSPSC 21.0	39121400	



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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	bac2e836-436f-4b58-8c26-fcb1192180bd

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