

PSR-FTB/20/86 - Filter terminal block

2904477

<https://www.phoenixcontact.com/us/products/2904477>



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Terminal block for filtering test pulses from safe semiconductor outputs with adjustable filter values (20 µF/86 µF), as well as for EMC filtering of 24 V signals up to an amperage of 2 A.

Commercial data

Item number	2904477
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN02
Product key	DNA35Z
Catalog page	Page 263 (C-6-2019)
GTIN	4046356831512
Weight per piece (including packing)	54.1 g
Weight per piece (excluding packing)	43.6 g
Customs tariff number	85369010
Country of origin	DE

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Technical data

Notes

Note on application

Note on application

Only for industrial use

Product properties

Product type	Filter terminal block
Area of application	Functional safety
Operating mode	100% operating factor

Data management status

Article revision	03
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Insulation characteristics: Air clearances and creepage distances between the power circuits

Insulation	Basic insulation
Oversupply category	II
Pollution degree	2

Electrical properties

Maximum power dissipation for nominal condition	4.8 W
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Air clearances and creepage distances between the power circuits

Rated insulation voltage	50 V
Rated surge voltage	1.5 kV

Input data

Nominal input voltage U_N	24 V DC $\pm 20\%$ (Control voltage U_{ST} right/left)
Typical input current at U_N	max. 20 mA
Protective circuit	Surge protection

Output data

Nominal output voltage	24 V DC $\pm 20\%$ (Control voltage U_{ST} right/left)
Nominal output voltage range	19.2 V DC ... 28.8 V DC (Control voltage U_{ST} right/left)
Limiting continuous current	max. 2 A (in total for OUT1 + OUT2)
Load current range	530 mA

Connection data

Control circuits

Connection method	Push-in connection
Stripping length	8 mm
Conductor cross section rigid	0.14 mm ² ... 2.5 mm ²
Conductor cross section flexible	0.14 mm ² ... 2.5 mm ²
Conductor cross section AWG	26 ... 14

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Dimensions

Width	6.2 mm
Height	94 mm
Depth	80 mm

Material specifications

Color	green (RAL 6021)
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C

Standards and regulations

Air clearances and creepage distances between the power circuits	
Standards/regulations	EN 61131

Mounting

Assembly note	in rows with zero spacing
Mounting position	Vertical (horizontal DIN rail)

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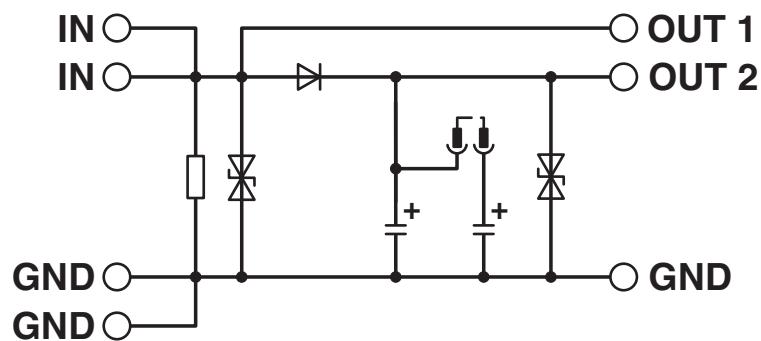
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Drawings

Circuit diagram



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Classifications

ECLASS

ECLASS-11.0	27240692
ECLASS-12.0	27240692
ECLASS-13.0	27240692

ETIM

ETIM 9.0	EC002584
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I

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	1101a723-b1cc-45f7-ab58-ef222f83f9b6

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