

# 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  $\mu$ F/86  $\mu$ F), 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
GTIN	4046356831512
Weight per piece (including packing)	32.9 g
Weight per piece (excluding packing)	43.6 g
Customs tariff number	85369010
Country of origin	DE

## Technical data

### Notes

#### Note on application

Note on application	Only for industrial use
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### Product properties

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

#### Insulation characteristics

Insulation	Basic insulation
Overvoltage category	II
Pollution degree	2

### Electrical properties

Maximum power dissipation for nominal condition	4.8 W
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 <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section flexible	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section AWG	26 ... 14

#### Load circuit

Connection method	Push-in connection
Stripping length	8 mm
Conductor cross-section rigid	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>

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Conductor cross-section flexible	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section AWG	26 ... 14

## 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

## Mounting

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

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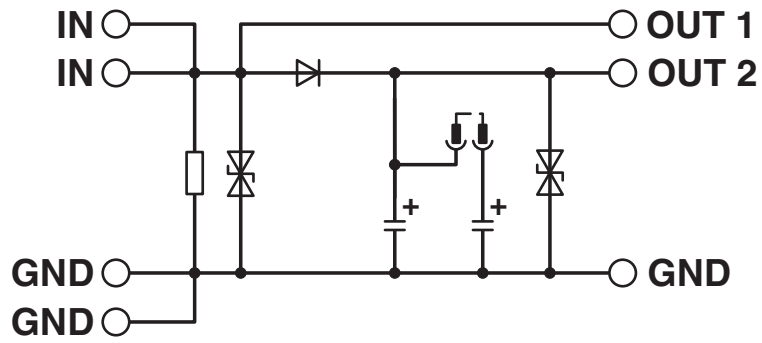


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## Drawings

Circuit diagram



Block diagram

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## Classifications

### ECLASS

ECLASS-13.0	27240692
ECLASS-15.0	27240692

### ETIM

ETIM 10.0	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

### EF3.1 Climate Change

CO2e kg	1.011 kg CO2e
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