

# 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
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

## Technical data

### Product properties

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

### Insulation characteristics

Insulation	Basic insulation
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### Insulation characteristics: Air clearances and creepage distances between the power circuits

Insulation	Basic insulation
Overvoltage 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 <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

## 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
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## Mounting

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

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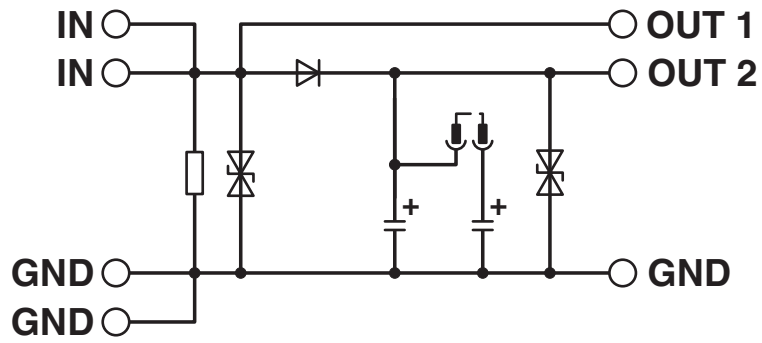


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## Drawings

Circuit diagram



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## Approvals

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**EAC**

Approval ID: RU C-DE.A\*30.B.01082

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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

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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