

## Filter terminal block - PSR-FTB/1.5/11.5 - 2904476

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Terminal block for filtering test pulses from safe semiconductor outputs with adjustable filter values (1.5  $\mu$ F/11.5  $\mu$ F), as well as for EMC filtering of 24 V signals up to an amperage of 2 A.



### Key Commercial Data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 1 pc                                                                                                    |
| GTIN                                 | <br>4 046356 831505 |
| GTIN                                 | 4046356831505                                                                                           |
| Weight per Piece (excluding packing) | 28.600 g                                                                                                |
| Custom tariff number                 | 85369010                                                                                                |
| Country of origin                    | Germany                                                                                                 |

### Technical data

#### Dimensions

|        |        |
|--------|--------|
| Width  | 6.2 mm |
| Height | 94 mm  |
| Depth  | 80 mm  |

#### Ambient conditions

|                                         |                  |
|-----------------------------------------|------------------|
| Ambient temperature (operation)         | -25 °C ... 55 °C |
| Ambient temperature (storage/transport) | -25 °C ... 70 °C |

#### 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. 15 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) |

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## Technical data

### Output data

|                             |                                     |
|-----------------------------|-------------------------------------|
| Limiting continuous current | max. 2 A (in total for OUT1 + OUT2) |
|-----------------------------|-------------------------------------|

### Connection data, control circuit

|                                  |                                              |
|----------------------------------|----------------------------------------------|
| Connection name                  | Control circuits                             |
| Connection method                | Push-in connection                           |
| Stripping length                 | 8 mm                                         |
| Conductor cross section solid    | 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                                    |

### Connection data load circuit

|                                  |                                              |
|----------------------------------|----------------------------------------------|
| Connection name                  | Load circuit                                 |
| Connection method                | Push-in connection                           |
| Stripping length                 | 8 mm                                         |
| Conductor cross section solid    | 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                                    |

## General

|                       |                                |
|-----------------------|--------------------------------|
| Mounting position     | Vertical (horizontal DIN rail) |
| Assembly instructions | In rows with zero spacing      |
| Operating mode        | 100% operating factor          |

## Standards and Regulations

|                          |                                                                  |
|--------------------------|------------------------------------------------------------------|
| Designation              | Air clearances and creepage distances between the power circuits |
| Standards/regulations    | EN 61131                                                         |
| Rated insulation voltage | 50 V                                                             |
| Rated surge voltage      | 1.5 kV                                                           |
| Insulation               | Basic insulation                                                 |
| Pollution degree         | 2                                                                |
| Overvoltage category     | II                                                               |

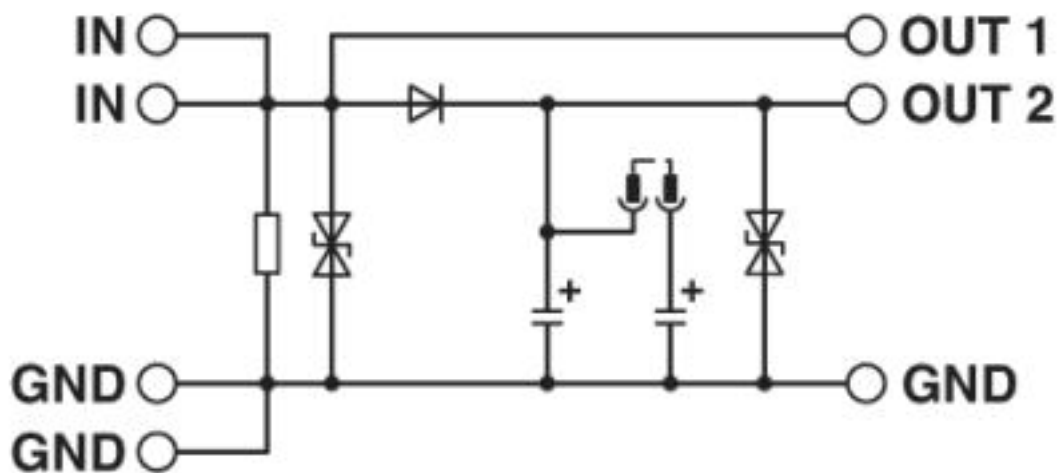
## Environmental Product Compliance

|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
| REACH SVHC | Lead 7439-92-1                                                                                      |
| China RoHS | Environmentally Friendly Use Period = 50                                                            |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Drawings

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Circuit diagram



### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 40020600 |
| eCl@ss 4.1 | 40020600 |
| eCl@ss 5.0 | 27371900 |
| eCl@ss 5.1 | 27371900 |
| eCl@ss 6.0 | 27249200 |
| eCl@ss 7.0 | 27249290 |
| eCl@ss 8.0 | 27249290 |
| eCl@ss 9.0 | 27240692 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001449 |
| ETIM 4.0 | EC002564 |
| ETIM 5.0 | EC002564 |
| ETIM 6.0 | EC002584 |
| ETIM 7.0 | EC002584 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211901 |
| UNSPSC 7.0901 | 39121501 |
| UNSPSC 11     | 39121501 |
| UNSPSC 12.01  | 39121501 |
| UNSPSC 13.2   | 39121552 |
| UNSPSC 18.0   | 39121552 |
| UNSPSC 19.0   | 39121552 |
| UNSPSC 20.0   | 39121552 |
| UNSPSC 21.0   | 39121552 |

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### Approvals

#### Approvals

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#### Approvals

EAC

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#### Ex Approvals

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### Approval details

|     |                                                                                   |                          |
|-----|-----------------------------------------------------------------------------------|--------------------------|
| EAC |  | RU C-<br>DE.A*30.B.01082 |
|-----|-----------------------------------------------------------------------------------|--------------------------|

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