

# RIF-0-BSC/21 - Relay base



2900957

<https://www.phoenixcontact.com/cn/products/2900957>

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RIF-0... relay base, for miniature power relay with 1 changeover contact or identical solid-state relays, screw connection, for mounting on NS 35/7,5

## Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 2900957             |
| Packing unit                         | 10 pc               |
| Minimum order quantity               | 10 pc               |
| Sales key                            | CK6511              |
| Product key                          | CK6511              |
| Catalog page                         | Page 283 (C-5-2019) |
| GTIN                                 | 4046356733007       |
| Weight per piece (including packing) | 25.54 g             |
| Weight per piece (excluding packing) | 25 g                |
| Customs tariff number                | 8536909000          |
| Country of origin                    | CN                  |

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## Technical data

### Product properties

|                |                  |
|----------------|------------------|
| Product type   | Relay socket     |
| Product family | RIFLINE complete |

### Electrical properties

|                       |                                            |
|-----------------------|--------------------------------------------|
| Nominal voltage $U_N$ | 250 V AC/DC (Contact side)                 |
| Nominal current $I_N$ | max. 8 A (Depends on application/assembly) |
| Protective circuit    | Freewheeling diode                         |

### Input data

|                     |                     |
|---------------------|---------------------|
| Input voltage range | 12 V DC ... 24 V DC |
|---------------------|---------------------|

### Connection data

|                                                                         |                                                                               |
|-------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| Connection method                                                       | Screw connection                                                              |
| Stripping length                                                        | 7 mm                                                                          |
| Conductor cross section rigid                                           | 0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>                                     |
| Conductor cross-section rigid (2 conductors with same cross section)    | 0.5 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>                                   |
| Conductor cross section flexible                                        | 0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>                                   |
|                                                                         | 0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (Ferrules without plastic sleeve) |
|                                                                         | 0.5 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> (Ferrule with plastic sleeve)     |
| Conductor cross section flexible (2 conductors with same cross section) | 0.5 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>                                   |
|                                                                         | 0.5 mm <sup>2</sup> ... 1 mm <sup>2</sup> (TWIN ferrule with plastic sleeve)  |
| Conductor cross section AWG                                             | 20 ... 12 (solid)                                                             |
|                                                                         | 20 ... 14 (flexible)                                                          |
| Tightening torque                                                       | 0.5 Nm ... 0.6 Nm                                                             |

### Dimensions

|        |        |
|--------|--------|
| Width  | 6.2 mm |
| Height | 84 mm  |
| Depth  | 82 mm  |

### Material specifications

|                                        |                 |
|----------------------------------------|-----------------|
| Color                                  | gray (RAL 7042) |
| Flammability rating according to UL 94 | V2 (Housing)    |

### Environmental and real-life conditions

#### Ambient conditions

|                                         |                                                    |
|-----------------------------------------|----------------------------------------------------|
| Ambient temperature (operation)         | -40 °C ... 85 °C (Depends on application/assembly) |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C                                   |

### Approvals

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## Corrosive gas test

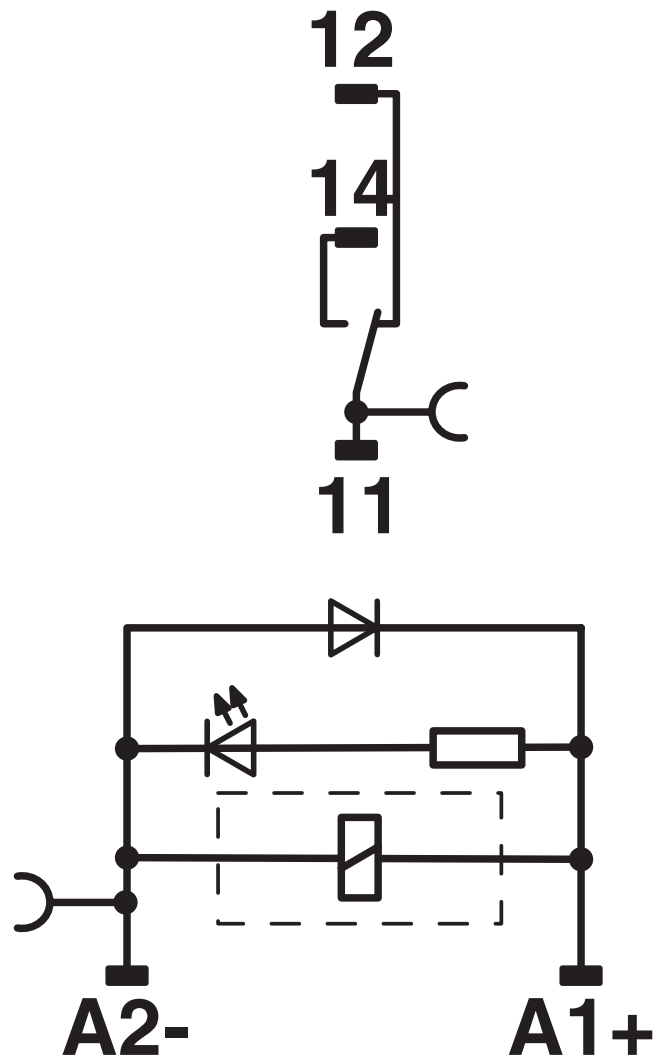
|                |                            |
|----------------|----------------------------|
| Identification | ISA-S71.04. G3 Harsh Group |
|                | EN 60068-2-60              |

## Mounting

|                       |                           |
|-----------------------|---------------------------|
| Mounting type         | DIN rail mounting         |
| Assembly instructions | in rows with zero spacing |
| Mounting position     | any                       |

## Drawings

Circuit diagram



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## Approvals

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**CSA**

Approval ID: 76787



**UL Recognized**

Approval ID: FILE E 113228



**EAC**

Approval ID: RU D-DE.B\*00573/18



**DNV GL**

Approval ID: TAA000018V

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27371603 |
| ECLASS-12.0 | 27371603 |
| ECLASS-13.0 | 27371603 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC001456 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39122300 |
|-------------|----------|

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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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