

Relay Module - RIF-0-RPT-12DC/ 1 - 2903362

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Pre-assembled relay modules with push-in connection, consisting of: relay base with ejector and power contact relay. Input voltage: 12 V DC, 1 N/O contact



Key commercial data

| | |
|------------------|---------------|
| package_quantity | 10 |
| GTIN | 4046356731959 |

Technical data

Dimensions

| | |
|--------|--------|
| Width | 6.2 mm |
| Height | 93 mm |
| Depth | 66 mm |

Ambient conditions

| | |
|---|------------------|
| Ambient temperature (operation) | -40 °C ... 60 °C |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |

Coil side

| | |
|---|------------------------|
| Nominal input voltage U_N | 12 V DC |
| Input voltage range in reference to U_N | (refer to the diagram) |
| Nominal input current at U_N | 16 mA |
| Typical response time | 5 ms |
| Typical release time | 8 ms |
| Operating voltage display | Yellow LED |
| Protective circuit | Damping diode |

Contact side

| | |
|-----------------------------|-----------------|
| Contact type | 1 N/O contact |
| Contact material | AgSnO |
| Maximum switching voltage | 250 V AC/DC |
| Minimum switching voltage | 5 V (at 100 mA) |
| Min. switching current | 10 mA (at 12 V) |
| Limiting continuous current | 6 A |

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Technical data

Contact side

| | |
|--|------------------------|
| Interrupting rating (ohmic load) max. | 140 W (at 24 V DC) |
| Interrupting rating (ohmic load) max. | 20 W (at 48 V DC) |
| Interrupting rating (ohmic load) max. | 18 W (at 60 V DC) |
| Interrupting rating (ohmic load) max. | 23 W (at 110 V DC) |
| Interrupting rating (ohmic load) max. | 40 W (at 220 V DC) |
| Interrupting rating (ohmic load) max. | 1500 VA (for 250 V AC) |
| Switching capacity in acc. with DIN VDE 0660/IEC 60947 | 1 A (24 V (DC13)) |
| Switching capacity in acc. with DIN VDE 0660/IEC 60947 | 3 A (230 V (AC 15)) |

Connection data

| | |
|--|----------------------|
| Connection method | Push-in connection |
| Conductor cross section solid min. | 0.14 mm ² |
| Conductor cross section solid max. | 1.5 mm ² |
| Conductor cross section stranded min. | 0.14 mm ² |
| Conductor cross section stranded max. | 1.5 mm ² |
| Conductor cross section stranded, with ferrule with plastic sleeve min. | 0.14 mm ² |
| Conductor cross section stranded, with ferrule with plastic sleeve max. | 1.5 mm ² |
| Conductor cross section stranded, with ferrule without plastic sleeve min. | 0.14 mm ² |
| Conductor cross section stranded, with ferrule without plastic sleeve max. | 1.5 mm ² |
| Conductor cross section AWG/kcmil min. | 26 |
| Conductor cross section AWG/kcmil max | 16 |
| Stripping length | 8 mm |

General

| | |
|--|-------------------------------------|
| Test voltage relay winding/relay contact | 4 kV _{rms} (50 Hz, 1 min.) |
| Operating mode | 100% operating factor |
| Degree of protection | IP20 (Relaissockel) |
| Degree of protection | RT III (relay) |
| Mechanical service life | Approx. 2 x 10 ⁷ cycles |
| Standards/regulations | DIN EN 50178 |
| Standards/regulations | IEC 62103 |
| Rated insulation voltage | 250 V AC |
| Pollution degree | 2 |
| Surge voltage category | III |
| Mounting position | Any |
| Assembly instructions | In rows with zero spacing |

classifications

eCl@ss

Relay Module - RIF-0-RPT-12DC/ 1 - 2903362

classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27371102 |
| eCl@ss 4.1 | 27371102 |
| eCl@ss 5.0 | 27371603 |
| eCl@ss 5.1 | 27371603 |
| eCl@ss 6.0 | 27371603 |
| eCl@ss 7.0 | 27371603 |
| eCl@ss 8.0 | 27371603 |

ETIM

| | |
|----------|----------|
| ETIM 3.0 | EC001456 |
| ETIM 4.0 | EC001456 |
| ETIM 5.0 | EC001437 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30211917 |
| UNSPSC 7.0901 | 39121516 |
| UNSPSC 11 | 39121516 |
| UNSPSC 12.01 | 39121516 |
| UNSPSC 13.2 | 39121516 |

accessories

Bridge

FBS 2-6 - 3030336



FBS 3-6 - 3030242



Relay Module - RIF-0-RPT-12DC/ 1 - 2903362

accessories

FBS 4-6 - 3030255



FBS 5-6 - 3030349



FBS 10-6 - 3030271



FBS 20-6 - 3030365



FBS 50-6 - 3032224



FBS 2-6 BU - 3036932



Relay Module - RIF-0-RPT-12DC/ 1 - 2903362

accessories

FBS 3-6 BU - 3036945



FBS 4-6 BU - 3036958



FBS 5-6 BU - 3036961



FBS 10-6 BU - 3032198



FBS 20-6 BU - 3032208



Relay Module - RIF-0-RPT-12DC/ 1 - 2903362

accessories

FBS 50-6 BU - 3032211



FBS 2-6 GY - 3032237



FBS 3-6 GY - 3032240



FBS 4-6 GY - 3032279



FBS 5-6 GY - 3032266



FBS 10-6 GY - 3032253

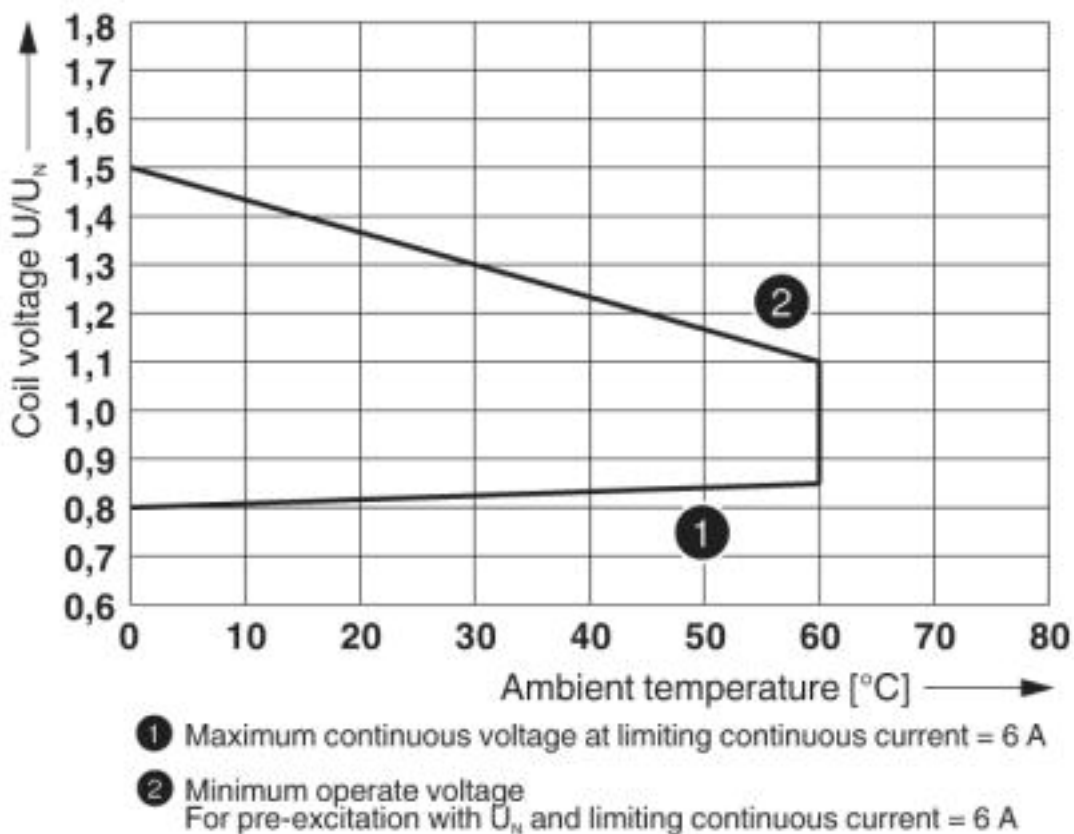


Relay Module - RIF-0-RPT-12DC/ 1 - 2903362

accessories

Drawings

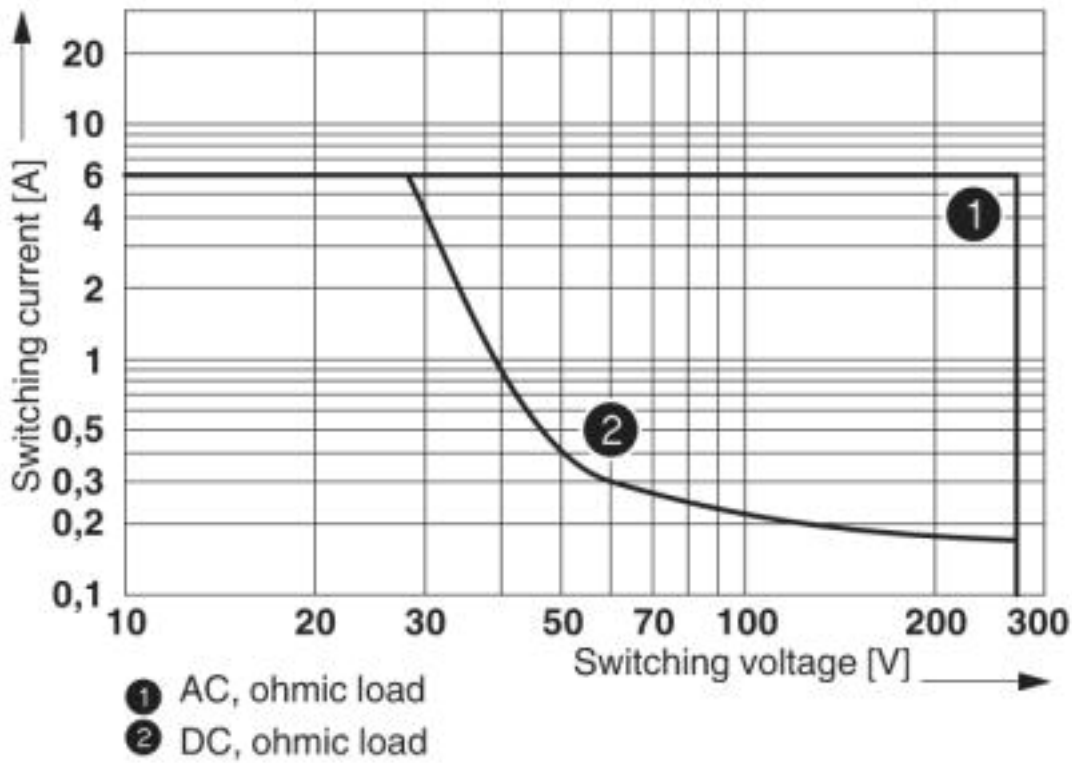
Diagram



Operating voltage range

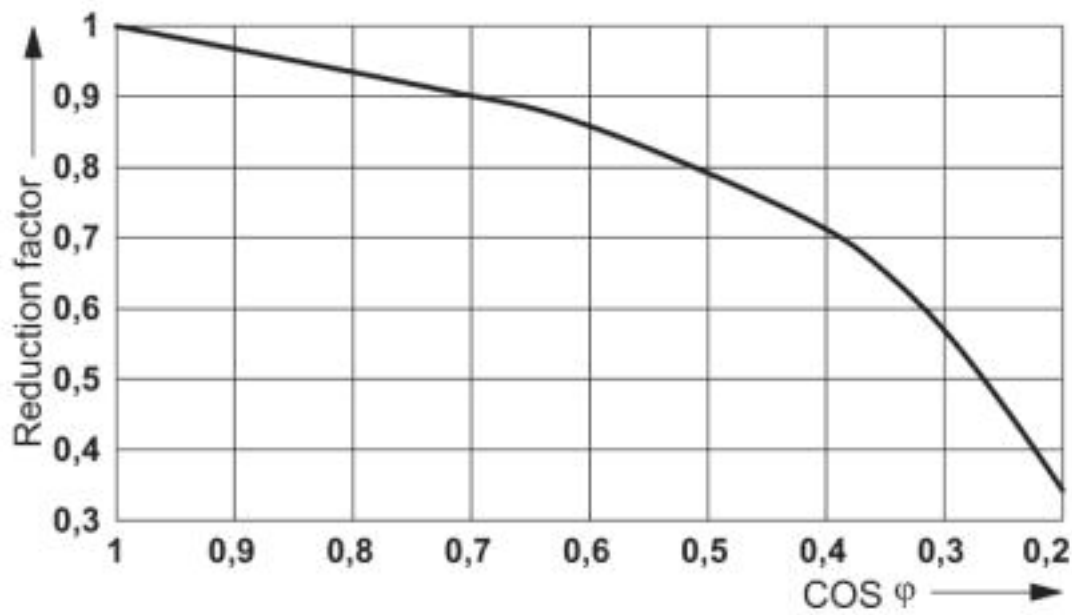
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Diagram



Interrupting rating

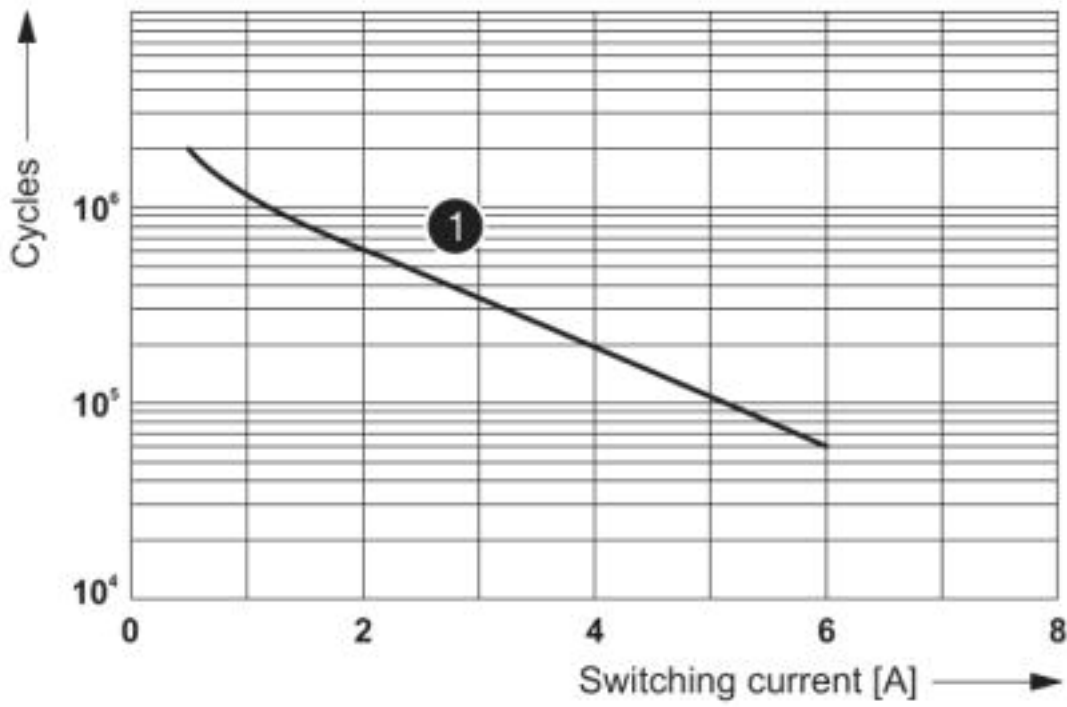
Diagram



Service life reduction factor

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Diagram

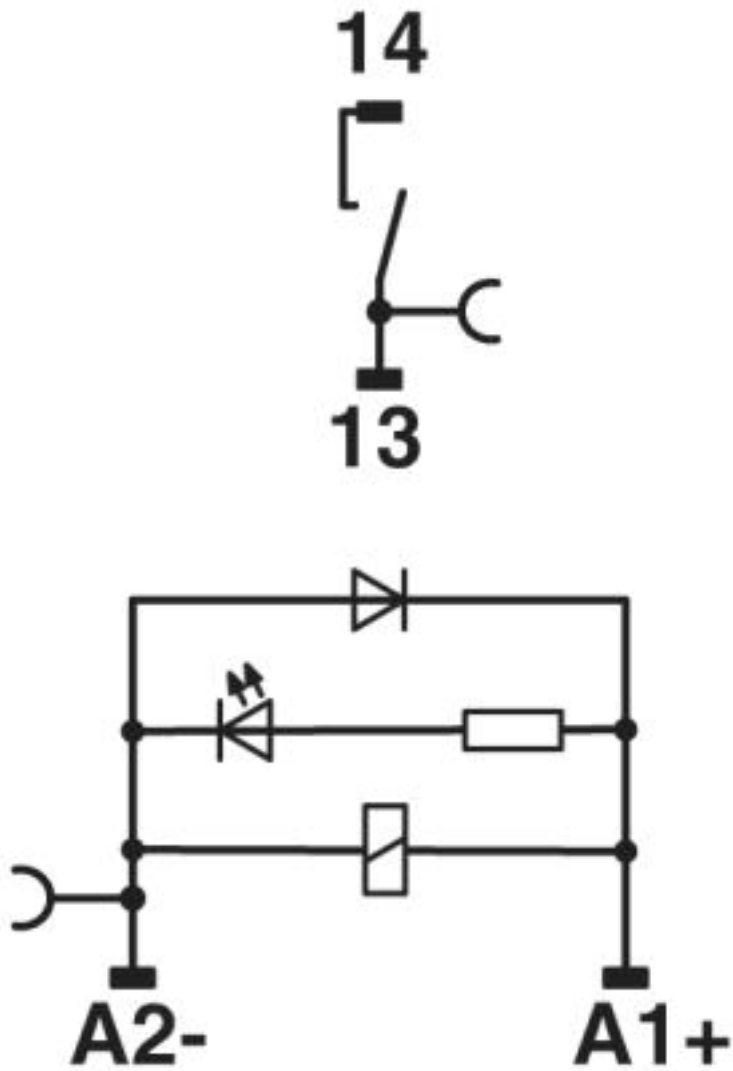


① 250 V AC, ohmic load

Electrical service life

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Circuit diagram



DC coils

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