

Relay Package RT

- Relay package consisting of RT relay, DIN-rail socket, plastic retaining clip, module and marking tag
- 1 CO with 16 A or 2 CO with 8 A rated load
- Sensitive DC- or AC coil
- Reinforced insulation (protection class II / VDE 0700), safe separation to VDE 0160
- RoHS compliant (Directive 2002/95/EC) as per production date code 0535



F0287-A

Approvals

Relay: REG.-Nr. 6106, E214025

Socket: REG.-Nr. 6106 in preparation, E135149
Technical data of approved types on request

| Contact data | 1-pole | 2-pole |
|--|-----------------------------------|-----------------------|
| Contact configuration | 1 CO | 2 CO |
| Contact set | single contact | |
| Type of interruption | micro disconnection | |
| Rated current | 16 A *) | 8 A |
| Rated voltage / max.switching voltage AC | 240/400 VAC | |
| Maximum breaking capacity AC | 4000 VA | 2000 VA |
| Limiting making capacity,max 4 s, df 10% | 30 A | 15 A |
| Contact material | AgNi 90/10, AgNi90/10 gold plated | |
| Mechanical endurance DC coil | > 30 x 10 ⁶ | >30 x 10 ⁶ |
| AC coil | > 10 x 10 ⁶ | >5 x 10 ⁶ |
| Rated frequency of operation with / without load | 6 / 1200 min ⁻¹ | |

*) For full load current (16 A) the relay terminals 11-21, 12-22 and 14-24 have to be bridged.

Contact ratings

For contact ratings see datasheet Interface Power relay RT

Coil data

| | |
|----------------------------------|-------------|
| Rated coil voltage range DC coil | 24 VDC |
| AC coil | 24, 230 VAC |
| Coil power DC coil | typ 400 mW |
| AC coil | typ 0.75 VA |
| Operative range | 2 |

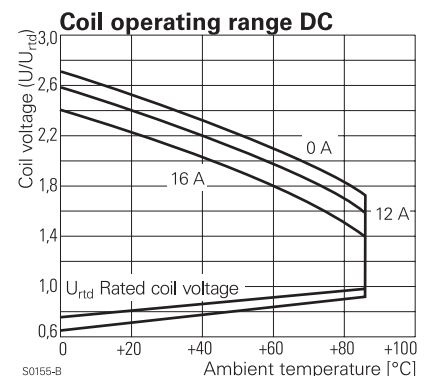
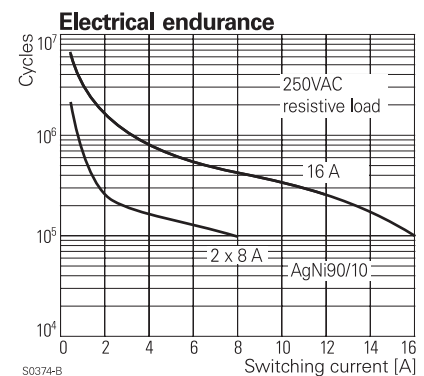
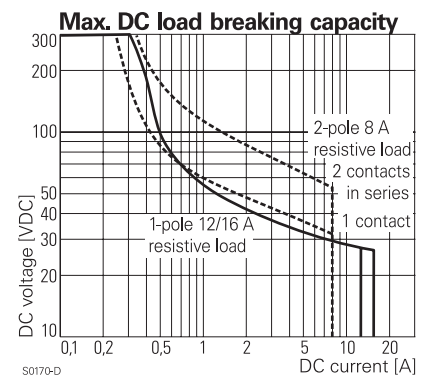
Coil versions, DC-coil

| Coil code | Rated voltage VDC | Operate voltage VDC | Release voltage VDC | Coil resistance Ohm | Rated coil power mW |
|-----------|-------------------|---------------------|---------------------|---------------------|---------------------|
| LC4 | 24 | 16.8 | 2.4 | 1440±10% | 400 |

Coil versions, AC-coil 50Hz

| Coil code | Rated voltage VAC | Operate voltage 50 Hz VAC | Release voltage 50 Hz VAC | Coil resistance Ohm | Rated coil power 50 Hz VA |
|-----------|-------------------|---------------------------|---------------------------|---------------------|---------------------------|
| R24 | 24 | 18.0 | 3.6 | 350±10% | 0.76 |
| S15 | 115 | 86.3 | 17.3 | 8100±15% | 0.76 |
| T30 | 230 | 172.5 | 34.5 | 32500±15% | 0.74 |

All figures are given for coil without preenergization, at ambient temperature +23°C
Other coil voltages on request



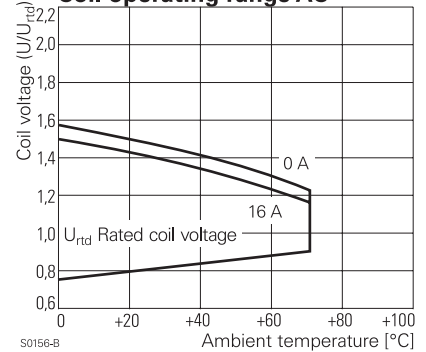
Insulation

| | |
|---|-----------------------|
| Dielectric strength coil-contact circuit | 5000 V _{rms} |
| open contact circuit | 1000 V _{rms} |
| adjacent contact circuits | 2500 V _{rms} |
| Clearance / creepage coil-contact circuit | ≥ 10 / 10 mm |
| Material group of insulation parts | ≥ IIIa |
| Tracking index of relay base | PTI 250 V |
| Insulation to IEC 60664-1 | |
| Type of insulation coil-contact circuit | reinforced |
| open contact circuit | functional |
| adjacent contact circuits | functional |
| Rated insulation voltage | 250 V |
| Pollution degree | 2 |
| Rated voltage system | 230/400 V |
| Overvoltage category | III |

Other data

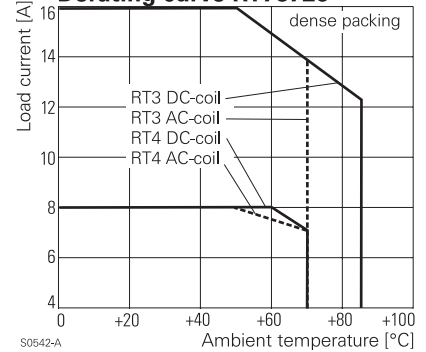
| | 1-pole | 2-pole |
|--------------------------------------|---|--------------|
| RoHS - Directive 2002/95/EC | compliant as per product date code 0535 | |
| Ambient temperature range DC coil | -20...+85°C | |
| AC coil | -20...+70°C | |
| Operate- / release time DC coil | typ 7 / 3 ms | typ 7 / 2 ms |
| Bounce time DC coil, NO / NC contact | typ 1 / 3 ms | typ 1 / 3 ms |
| Degree of protection DIN 40050 | IP20 | |
| Terminals | screw | |
| Terminal screw torque acc. IEC 61984 | 0.5 Nm | |
| max. | 0.7 Nm | |
| Wire cross section | | |
| single wire | 2 x 2.5 mm ² | |
| fine wire | 2 x 2.5 mm ² | |
| with bootlace crimp (DIN 46228/1) | 2 x 1.5 mm ² | |
| Insertion cycles | A (10) | |
| Max. Insertion Force total | 100 N | |
| Mounting distance | 0, dense packing | |
| Weight | 54 g | |
| Packaging unit | 10 pcs | |

Coil operating range AC



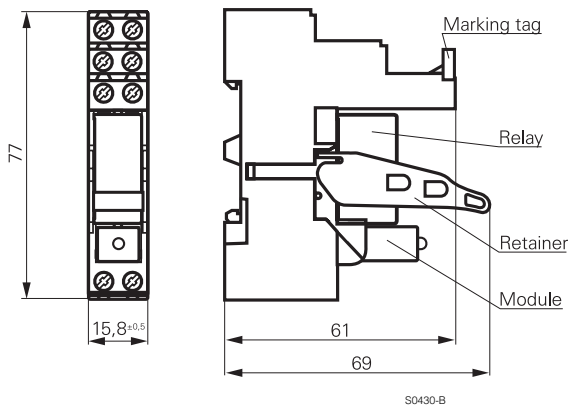
S0156-B

Derating curve RT78726



S0542-A

Dimensions



S0430-B

Product key

| | | | | | |
|---|---|---|--|--|--|
| R | T | S | | | |
|---|---|---|--|--|--|

Type

Version

- 3S** Relay set: RT 1-pole CO, 16 A, red LED
- 4S** Relay set: RT 2-pole CO, 8 A, red LED

Contact material

- 4** AgNi 90/10, CO contact
- 5** AgNi 90/10 gold plated, CO contact

Coil

- | | | | |
|------------|---------|------------|---------|
| LC4 | 24 VDC | R24 | 24 VAC |
| S15 | 115 VAC | T30 | 230 VAC |

Other types on request

| Product key | Socket | Retainer | Marking tag | Module | Relay | Coil | Part number |
|-------------|---------|----------|-------------|----------|----------|---------|-------------|
| RT3S4LC4 | RT78726 | RT17016 | RT17040 | PTML0024 | RT314024 | 24 VDC | 4-1415073-1 |
| RT3S4R24 | | | | PTML0524 | RT314524 | 24 VAC | 5-1415073-1 |
| RT3S4S15 | | | | PTML0730 | RT314615 | 115 VAC | 5-1415528-1 |
| RT3S4T30 | | | | PTML0730 | RT314730 | 230 VAC | 6-1415073-1 |
| RT3S5LC4 | | | | PTML0024 | RT315024 | 24 VDC | 7-1415073-1 |
| RT3S5R24 | | | | PTML0524 | RT315524 | 24 VAC | 8-1415073-1 |
| RT3S5T30 | | | | PTML0730 | RT315730 | 230 VAC | 9-1415073-1 |
| RT4S4LC4 | | | | PTML0024 | RT424024 | 24 VDC | 1-1415073-1 |
| RT4S4R24 | | | | PTML0524 | RT424524 | 24 VAC | 2-1415073-1 |
| RT4S4T30 | | | | PTML0730 | RT424730 | 230 VAC | 3-1415073-1 |
| RT4S5LC4 | | | | PTML0024 | RT425024 | 24 VDC | 0-1415074-1 |
| RT4S5R24 | | | | PTML0524 | RT425524 | 24 VAC | 1-1415074-1 |
| RT4S5T30 | | | | PTML0730 | RT425730 | 230 VAC | 2-1415074-1 |

For replacement use identical components according to table only!

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