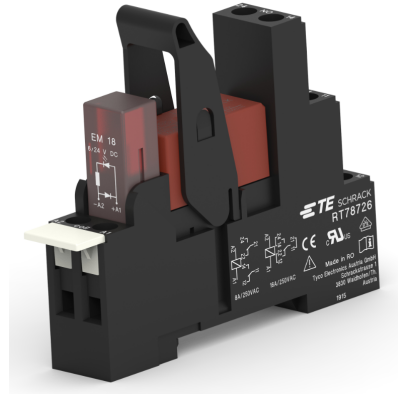


Relay Package RT

- Relay package consisting of RT relay, DIN-rail socket, plastic retaining clip, module and marking tag
- 1 CO with 12 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
- Jumper bars for interconnection
- Further accessories see Accessories RT



F0287-C

Approvals

Relay: VDE Cert. No. 40007571, cULus E214025

Socket: VDE Cert. No. 4007571, cULus 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 voltage/max. switching voltage AC | 240/400VAC | |
| Rated current | 16 A*) | 8 A |
| Limiting continuous current | 16 A*) | 8 A, UL: 10 A |
| Maximum breaking capacity AC | 4000 VA | 2000 VA |
| Limiting making capacity, max. 4 s, df 10% | 30 A | 15 A |
| Contact material | AgNi90/10, AgNi90/10 gold plated | |
| 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, 115, 230 VAC |
| Operative range to IEC 61810 | 2 |

Coil versions, DC coil

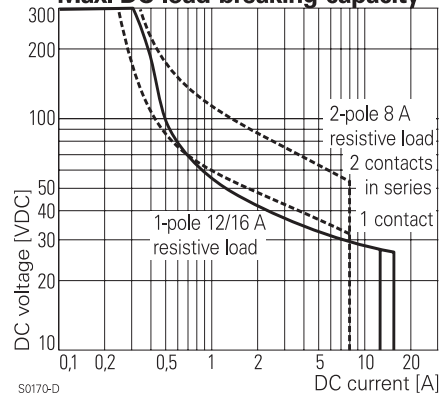
| Coil code | Rated voltage VDC | Operate voltage VDC | Release voltage VDC | Coil resistance Ω±10% | Rated coil power mW |
|-----------|-------------------|---------------------|---------------------|-----------------------|---------------------|
| LC4 | 24 | 16.8 | 2.4 | 1440 | 400 |

Coil versions, AC coil 50 Hz

| Coil code | Rated voltage VAC | Operate voltage 50 Hz VAC | Release voltage 50 Hz VAC | Coil resistance Ω | 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.

Max. DC load breaking capacity

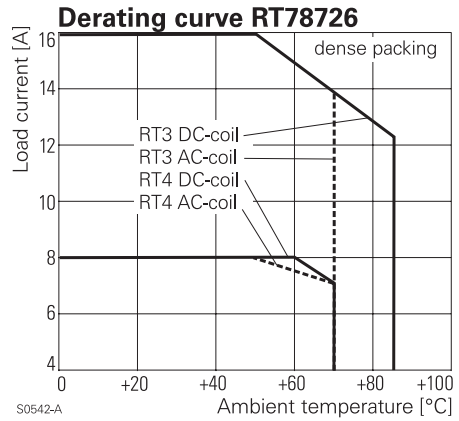


S0170-D

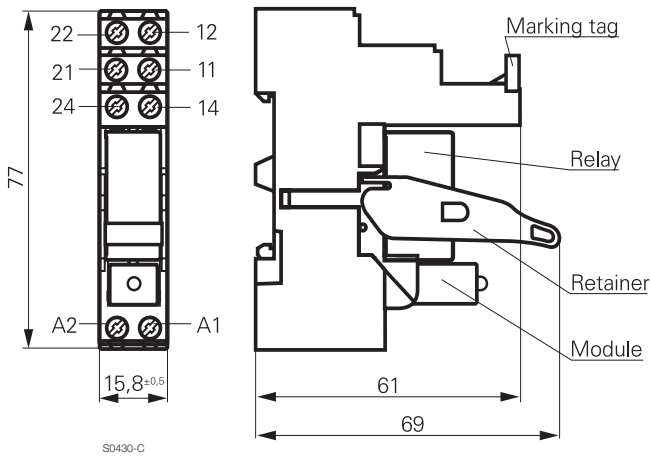
| Insulation | 1-pole | 2-pole |
|---|--------|-----------------------|
| Dielectric strength | | |
| coil-contact circuit | | 5000 V _{rms} |
| open contact circuit | | 1000 V _{rms} |
| adjacent contact circuits | | 2500 V _{rms} |
| Clearance / creepage | | |
| coil-contact circuit | | ≥ 10/10 mm |
| Material group of insulation parts | | IIIa |
| Tracking index of relay base | | PTI 250 V |
| Insulation to IEC 60664-1 | | |
| Type of insulation | | reinforced |
| coil-contact circuit | | micro disconnection |
| open contact circuit | | functional |
| adjacent cont. circuits | | 250 V |
| Rated insulation voltage | | |
| Pollution degree | 3 | 2 |
| Rated voltage system | 240 V | 230/240 V |
| Overvoltage category | | III |

Relay Package RT (Continued)

| Other data | 1-pole | 2-pole |
|---|-------------------------------|------------------------|
| Mechanical endurance | | |
| DC coil | > 30 x 10 ⁶ | > 30 x 10 ⁶ |
| AC coil | > 10 x 10 ⁶ | > 5 x 10 ⁶ |
| Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at www.te.com/customer-support/rohssupportcenter | | |
| Ambient temperature range | | |
| DC coil | -20...+85°C | |
| AC coil | -20...+70°C | |
| Processing | | |
| Terminals | screw | |
| Terminal screw torque acc. IEC 61984 max. | 0.5 Nm | |
| | 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 of sockets | |
| Weight | 54 g | |
| Packaging unit | 10 pcs | |



Dimensions



Relay Package RT (Continued)

| | | | | | |
|---|----------------------|-----------|-----------|----------|------------|
| Product code structure | Typical product code | RT | 4S | 4 | T30 |
| Type | | | | | |
| RT Relay Package RT | | | | | |
| Version | | | | | |
| 3S Relay set: RT 1-pole CO contacts (1 form C), 16 A, red LED | | | | | |
| 4S Relay set: RT 2-pole CO contacts (2 form C), 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 code | Socket | Retainer | Marking tag | Module | Relay | Coil | Part Number |
|--------------|---------|----------|-------------|----------|----------|---------|-------------|
| RT3S4LC4 | RT78726 | RT17017 | 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 |
| RT4S4S15 | | | | PTML0730 | RT424615 | 115 VAC | 8-1415532-1 |
| RT4S4T30 | | | | PTML0730 | RT424730 | 230 VAC | 3-1415073-1 |
| RT4S5LC4 | | | | PTML0024 | RT425024 | 24 VDC | 1415074-1 |
| RT4S5R24 | | | | PTML0524 | RT425524 | 24 VAC | 1-1415074-1 |
| RT4S5T30 | | | | PTML0730 | RT425730 | 230 VAC | 2-1415074-1 |

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