

## 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

### 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 ms, df 10%    | 30 A                             | 15 A          |
| Contact material                               | AgNi90/10, AgNi90/10 gold plated |               |
| Rated frequency of operation with/without load | 6 / 1200 min <sup>-1</sup>       |               |

\*) 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                |

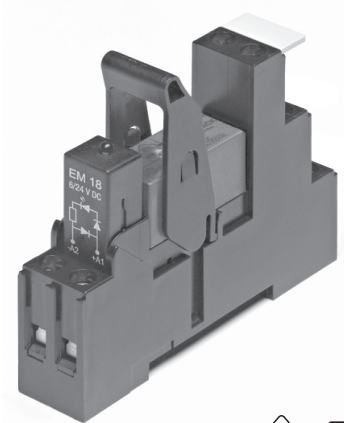
### Coil versions, DC coil

| Coil code | Rated voltage VDC | Operate voltage VDC | Release voltage VDC | Coil resistance $\Omega \pm 10\%$ | Rated coil power mW |
|-----------|-------------------|---------------------|---------------------|-----------------------------------|---------------------|
| LC4       | 24                | 16.8                | 2.4                 | 1440                              | 400                 |

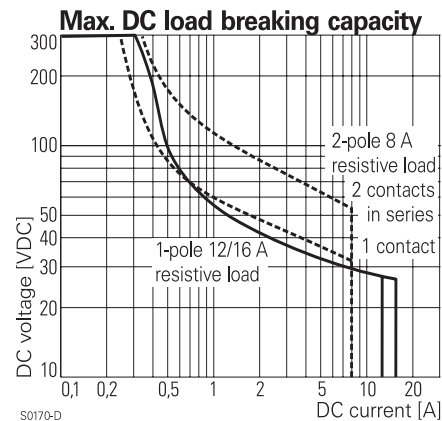
### Coil versions, AC coil 50 Hz

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

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



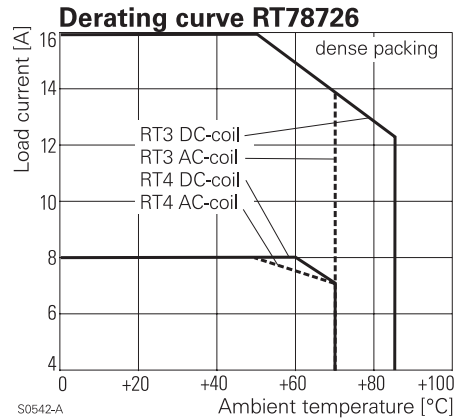
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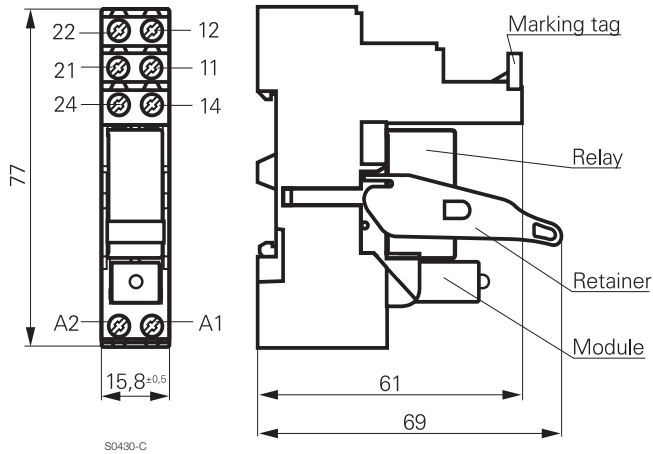
| Insulation                         | 1-pole                | 2-pole    |
|------------------------------------|-----------------------|-----------|
| Dielectric strength                |                       |           |
| coil-contact circuit               | 5000 V <sub>rms</sub> |           |
| open contact circuit               | 1000 V <sub>rms</sub> |           |
| adjacent contact circuits          | 2500 V <sub>rms</sub> |           |
| 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               | micro disconnection   |           |
| adjacent cont. circuits            | functional            |           |
| Rated insulation voltage           | 250 V                 |           |
| 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 <sup>6</sup> | > 30 x 10 <sup>6</sup>        |
| AC coil                                                                                                                                                                                                                                 | > 10 x 10 <sup>6</sup> | > 5 x 10 <sup>6</sup>         |
| Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at <a href="http://www.te.com/customer-support/rohssupportcenter">www.te.com/customer-support/rohssupportcenter</a> |                        |                               |
| 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<br>0.7 Nm              |
| Wire cross section                                                                                                                                                                                                                      |                        |                               |
| single wire                                                                                                                                                                                                                             |                        | 2 x 2.5 mm <sup>2</sup>       |
| fine wire                                                                                                                                                                                                                               |                        | 2 x 2.5 mm <sup>2</sup>       |
| with bootlace crimp (DIN 46228/1)                                                                                                                                                                                                       |                        | 2 x 1.5 mm <sup>2</sup>       |
| 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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