

## 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

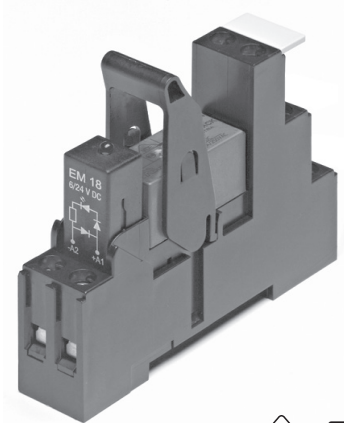
### Coil versions, DC coil

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

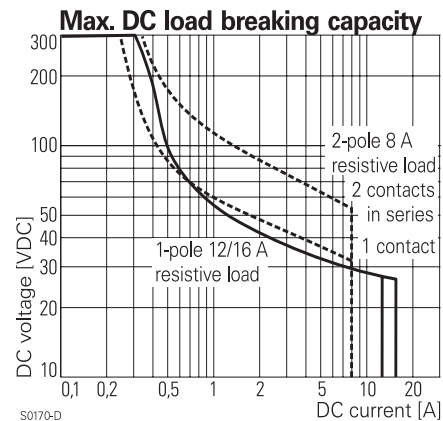
### Coil versions, AC coil 50 Hz

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.



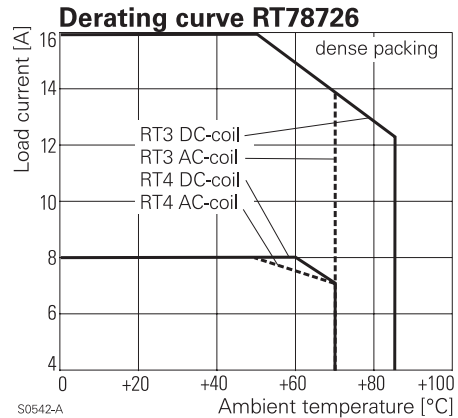
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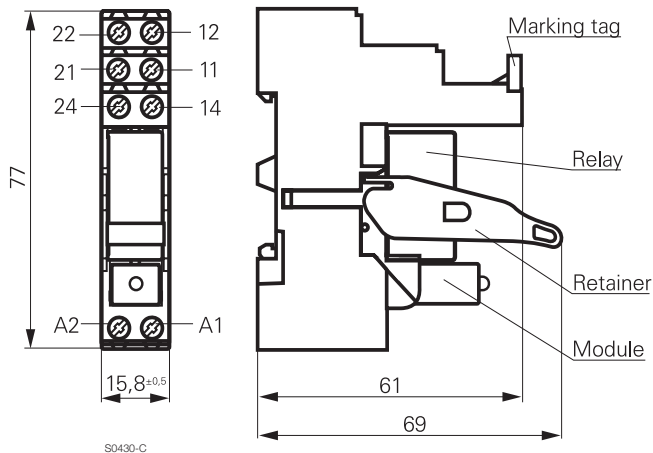
Insulation	1-pole	2-pole
Dielectric strength		
coil-contact circuit	5000 V <sub>rms</sub>	
open contact circuit	1000 V <sub>rms</sub>	
adjacent contact circuits	2500 V <sub>rms</sub>	
Clearance / creepage		
coil-contact circuit	≥ 10/10 mm	
Material group of insulation parts	IIIa	
Tracking index of relay 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 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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