

## 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

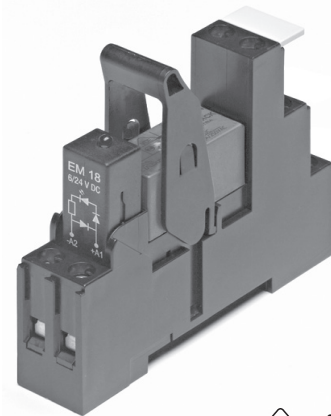
### Coil versions, DC coil

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

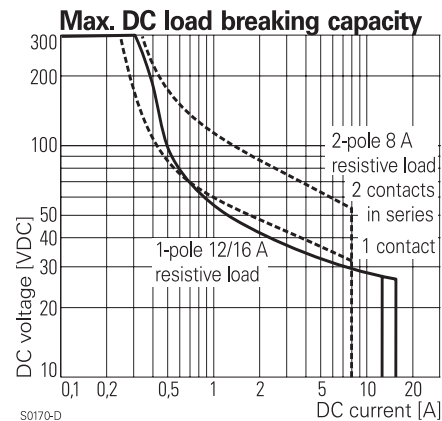
### Coil versions, AC coil 50 Hz

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.



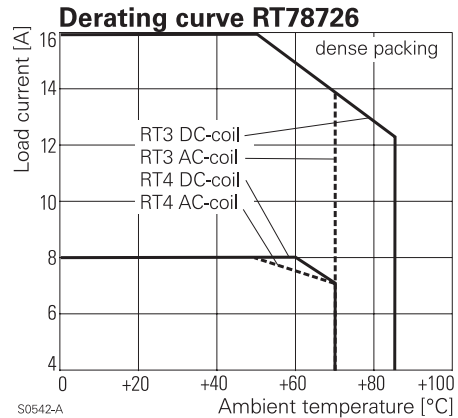
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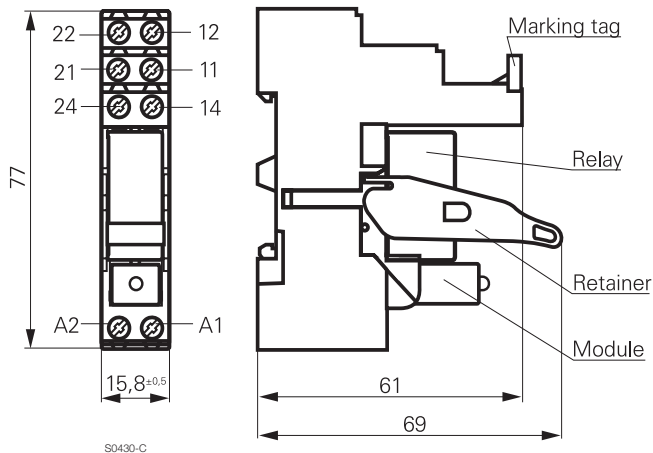
Insulation	1-pole	2-pole
Dielectric strength		
coil-contact circuit	5000 V <sub>rms</sub>	
open contact circuit	1000 V <sub>rms</sub>	
adjacent contact circuits	2500 V <sub>rms</sub>	
Clearance / creepage		
coil-contact circuit	≥ 10/10 mm	
Material group of insulation parts	IIIa	
Tracking index of relay 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	$> 30 \times 10^6$	$> 30 \times 10^6$
AC coil	$> 10 \times 10^6$	$> 5 \times 10^6$
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	$-20...+85^{\circ}\text{C}$	
AC coil	$-20...+70^{\circ}\text{C}$	
Processing		
Terminals	screw	
Terminal screw torque acc. IEC 61984 max.	0.5 Nm	
Wire cross section		
single wire	$2 \times 2.5 \text{ mm}^2$	
fine wire	$2 \times 2.5 \text{ mm}^2$	
with bootlace crimp (DIN 46228/1)	$2 \times 1.5 \text{ mm}^2$	
Insertion cycles	A (10)	
Max. Insertion Force total	100 N	
Mounting distance	$\geq 0$ , 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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