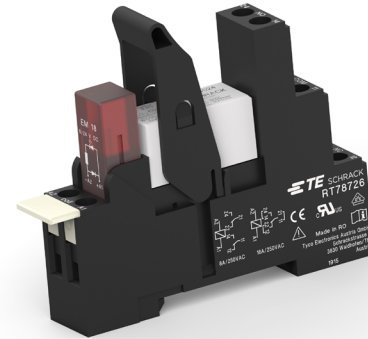


# SCHRACK RELAY PACKAGE RT

GENERAL PURPOSE RELAYS  
PRODUCT SETS

## FEATURES

- 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. 40009108, cULus E214025
- **Socket:** VDE Cert. No. 4007571, cULus E135149



**Note:** Technical data of approved types on request

# RELAY PACKAGE RT

## GENERAL PURPOSE RELAYS PRODUCT SETS

### 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

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

### COIL DATA

Rated coil voltage range	
DC coil	24 VDC
AC coil	24, 115, 230 VAC
Operative range, IEC 61810	2

	1-POLE	2-POLE
Maximum breaking capacity AC	4000 VA	2000 VA
Limiting breaking capacity, max.4s, 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>	

### CONTACT RATINGS

For contact ratings see datasheet	Interface Power Relay RT
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### COIL VERSIONS, DC COIL

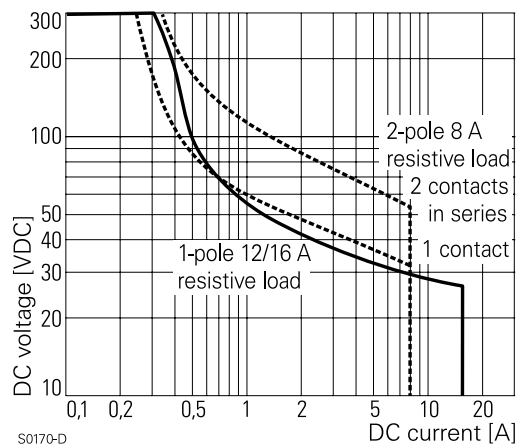
Coil code	Rated voltage VDC	Operate voltage 50 Hz VDC	Release voltage VDC	Coil resistance $\Omega \pm 10\%$	Rated coil power mW
LC4	24	16.8	2.4	1440	400

### COIL VERSIONS, AC COIL 50 HZ

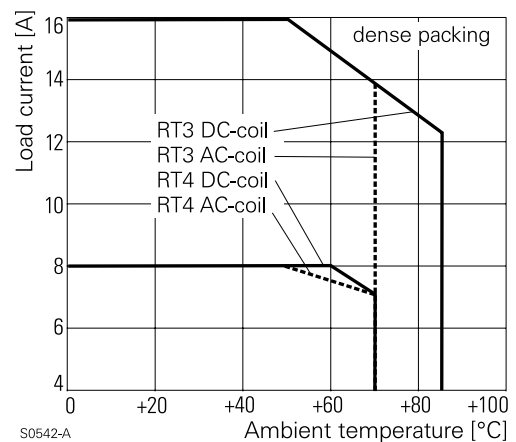
Coil code	Rated voltage VAC	Operate voltage 50 Hz VAC	Release voltage 50 Hz VAC	Coil resistance $\Omega$	Rated coil power 50 Hz VA
R24	24	18.0	3.6	350 $\pm 10\%$	0.76
S15	115	86.3	17.3	8100 $\pm 15\%$	0.76
T30	230	172.5	34.5	32500 $\pm 15\%$	0.74

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

### MAX. DC LOAD BREAKING CAPACITY



### DERATING CURVE RT78726



## RELAY PACKAGE RT

### GENERAL PURPOSE RELAYS PRODUCT SETS

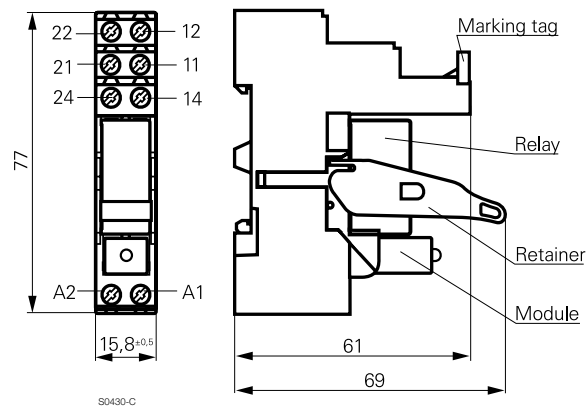
#### OTHER DATA

	1-pole	2-pole
Mechanical endurance		
DC coil	> 30 x 10 <sup>6</sup> cycles	> 30 x 10 <sup>6</sup> cycles
AC coil	> 10 x 10 <sup>6</sup> cycles	> 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/customersupport/rohssupportcenter">www.te.com/customersupport/rohssupportcenter</a>	
Ambient temperature range		
DC coil	-20...+85°C	
AC coil	-20...+70°C	
Processing		
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 <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		
Max. Insertion Force total	A (10)	
Mounting distance	≥ 0 mm, dense packing of sockets	
Weight	54 g	
Packaging unit	10 pcs	

#### 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 contact circuits	functional	
Rated insulation voltage	250 V	
Pollution degree	3	2
Overvoltage category	III	

DIMENSIONS (UNIT:mm)



PRODUCT CODE STRUCTURE

Typical product code

RT 4S 4 T30

Type

RT	Relay Package RT
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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 INFORMATION

Product code	Socket	Retainer	Marking tag	Module	Relay	Coll	Part Number
RT3S4LC4	RT78726	RT17017	RT17040	PTML0024	RT314024	24 VDC	<a href="#">4-1415073-1</a>
RT3S4R24				PTML0524	RT314524	24 VAC	<a href="#">5-1415073-1</a>
RT3S4S15				PTML0730	RT314615	115 VAC	<a href="#">5-1415528-1</a>
RT3S4T30				PTML0730	RT314730	230 VAC	<a href="#">6-1415073-1</a>
RT3S5LC4				PTML0024	RT315024	24 VDC	<a href="#">7-1415073-1</a>
RT3S5R24				PTML0524	RT315524	24 VAC	<a href="#">8-1415073-1</a>
RT3S5T30				PTML0730	RT315730	230 VAC	<a href="#">9-1415073-1</a>
RT4S4LC4				PTML0024	RT424024	24 VDC	<a href="#">1-1415073-1</a>
RT4S4R24				PTML0524	RT424524	24 VAC	<a href="#">2-1415073-1</a>
RT4S4S15				PTML0730	RT424615	115 VAC	<a href="#">8-1415532-1</a>
RT4S4T30				PTML0730	RT424730	230 VAC	<a href="#">3-1415073-1</a>
RT4S5LC4				PTML0024	RT425024	24 VDC	<a href="#">1415074-1</a>
RT4S5R24				PTML0524	RT425524	24 VAC	<a href="#">1-1415074-1</a>
RT4S5T30				PTML0730	RT425730	230 VAC	<a href="#">2-1415074-1</a>

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