



Electronics

# **Relay Package RT**

- Relay package consisting of RT relay, DIN-rail socket, plastic retaining clip, module and marking tag
- 1 CO with 16 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
- RoHS compliant (Directive 2002/95/EC) as per production date code 0535



200

100

50

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S0170-D

S0374-B

E0287-A

2-pole 8 A

resistive load 🖞 2 contacts

in series

1 contact

5 10 20 DC current [A]

#### Max. DC load breaking capacity 300

0,5

1-pole 12/16 resistive load

### Approvals

Relay: REG.-Nr. 6106, CRUs E214025

Socket: REG.-Nr. 6106 in preparation, cRUs 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 current	16 A *)	8 A		
Rated voltage / max.switching voltage AC	240/400 VAC			
Maximum breaking capacity AC	4000 VA	2000 VA		
Limiting making capacity,max 4 s, df 10%	30 A	15 A		
Contact material	AgNi 90/10, AgNi90/10 gold plated			
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>		
Rated frequency of operation with / without load	6 / 120	10 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

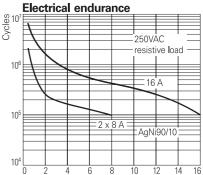
Rated coil voltage range DC coil	24 VDC
AC coil	24, 230 VAC
Coil power DC coil	typ 400 mW
AC coil	typ 0.75 VA
Operative range	2

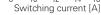
#### Coil versions, DC-coil

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

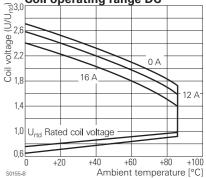
## Coil versions, AC-coil 50Hz

Coil	Rated	Operate	Release	Coil	Rated coil	
code	voltage	voltage	voltage resistance		power	
		50 Hz	50 Hz		50 Hz	
	VAC	VAC	VAC	Ohm	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						





# Coil operating range DC



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Dimensions are in mm unless otherwise specified and are shown for reference purposes only.

Product specification according to IEC 61810-1. Product data, technical parameters, test conditions and

processing information only to be used together with the 'Definitions' at schrackrelays.com in the 'Schrack' section.

Specifications subject to change.

1



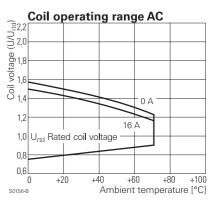
General Purpose Relays



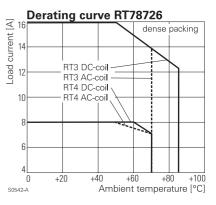
Electronics

## Relay Package RT (Continued)

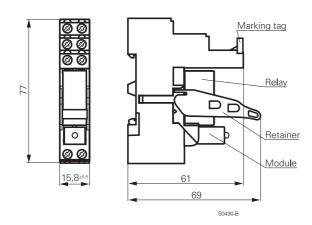
Insulation	
Dielectric strength coil-contact circuit	5000 V <sub>rms</sub>
open contact circuit	1000 V <sub>rms</sub>
adjacent contact circuits	2500 V <sub>rms</sub>
Clearance / creepage coil-contact circuit	≥ 10 / 10 mm
Material group of insulation parts	≥ Illa
Tracking index of relay base	PTI 250 V
Insulation to IEC 60664-1	
Type of insulation coil-contact circuit	reinforced
open contact circuit	functional
adjacent contact circuits	functional
Rated insulation voltage	250 V
Pollution degree	2
Rated voltage system	230/400 V
Overvoltage category	



Other data	1-pole	2-pole	
RoHS - Directive 2002/95/EC	compliant as per proc	duct date code 0535	
Ambient temperature range DC coil	-20+	-85°C	
AC coil	-20+	-70°C	
Operate- / release time DC coil	typ 7 / 3 ms	typ 7 / 2 ms	
Bounce time DC coil, NO / NC contact	typ 1 / 3 ms	typ 1 / 3 ms	
Degree of protection DIN 40050	IP2	20	
Terminals	SCr	ew	
Terminal screw torque acc. IEC 61984	0.5	Nm	
max.	0.7 Nm		
Wire cross section			
single wire	2 x 2.5	5 mm <sup>2</sup>	
fine wire	2 x 2.5 mm <sup>2</sup>		
with bootlace crimp (DIN 46228/1)	28/1) 2 x 1.5 mm <sup>2</sup>		
Insertion cycles	A (*	10)	
Max. Insertion Force total	100	) N	
Mounting distance	0, dense	packing	
Weight	54	g	
Packaging unit	10 p	DCS	



### Dimensions



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General Purpose Relays



Relay Package RT (Continued)

Product key	R T S	
Туре		
Version		
<b>3S</b> Relay set: RT 1-pole CO, 16 A, red LED		
4S Relay set: RT 2-pole CO, 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	
<b>S15</b> 115 VAC <b>T30</b>	230 VAC	

Other types on request

Product key	Socket	Retainer	Marking tag	Module	Relay	Coil	Part number
RT3S4LC4	RT78726	RT17016	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
RT4S4T30				PTML0730	RT424730	230 VAC	3-1415073-1
RT4S5LC4				PTML0024	RT425024	24 VDC	0-1415074-1
RT4S5R24				PTML0524	RT425524	24 VAC	1-1415074-1
RT4S5T30				PTML0730	RT425730	230 VAC	2-1415074-1

For replacement use identical components according to table only!

Specifications subject to change.