

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



F0287-A

Approvals

Relay: REG.-Nr. 6106, E214025

Socket: REG.-Nr. 6106 in preparation, 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 ⁶	> 30 x 10 ⁶
AC coil	> 10 x 10 ⁶	> 5 x 10 ⁶
Rated frequency of operation with / without load	6 / 1200 min ⁻¹	

*) 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

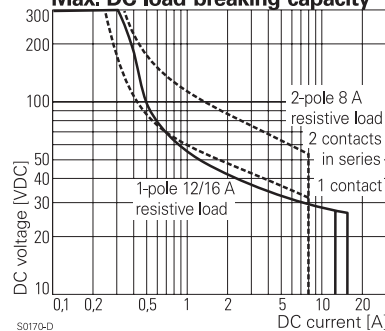
Coil code	Rated voltage VDC	Operate voltage VDC	Release voltage VDC	Coil resistance Ohm	Rated coil power mW
LC4	24	16.8	2.4	1440 ± 10%	400

Coil versions, AC-coil 50Hz

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

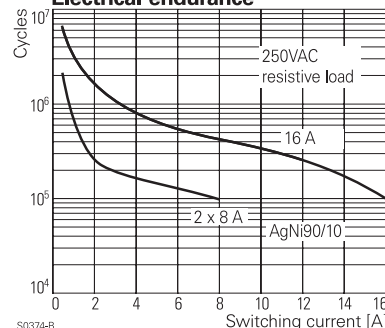
All figures are given for coil without preenergization, at ambient temperature +23°C
Other coil voltages on request

Max. DC load breaking capacity



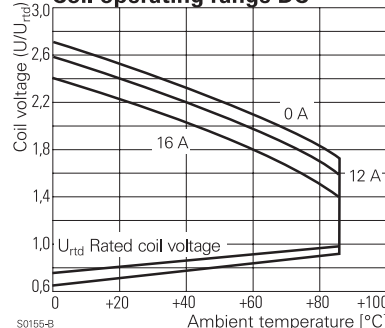
S0170-D

Electrical endurance



S0374-B

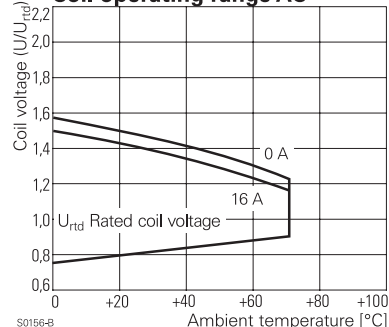
Coil operating range DC



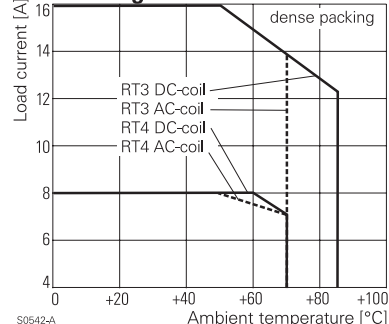
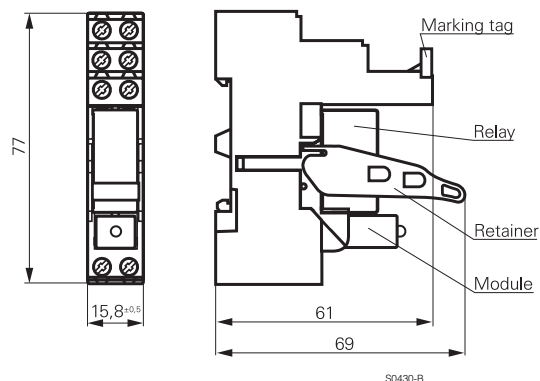
S0155-B

Relay Package RT (Continued)
Insulation

Dielectric strength coil-contact circuit	5000 V _{rms}
open contact circuit	1000 V _{rms}
adjacent contact circuits	2500 V _{rms}
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	functional
adjacent contact circuits	functional
Rated insulation voltage	250 V
Pollution degree	2
Rated voltage system	230/400 V
Overvoltage category	III

Coil operating range AC

Other data

	1-pole	2-pole
RoHS - Directive 2002/95/EC	compliant as per product 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	IP20	
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 ²	
fine wire	2 x 2.5 mm ²	
with bootlace crimp (DIN 46228/1)	2 x 1.5 mm ²	
Insertion cycles	A (10)	
Max. Insertion Force total	100 N	
Mounting distance	0, dense packing	
Weight	54 g	
Packaging unit	10 pcs	

Derating curve RT78726

Dimensions


Relay Package RT (Continued)

Product key

Type

Version

3S 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

S15 115 VAC

R24 24 VAC

T30 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!