



SCHRACK

Interface Power Relay RT

- 1 pole 12 / 16 A, 2 pole 8 A, 1 CO contact or 2 CO contacts
- **■** DC- or AC coil
- Sensitive coil 400 mW
- Reinforced insulation, protection class II (VDE 0700)
- 5 kV / 10 mm coil-contact
- 1pole 12 A with 3.5 or 5 mm pinning
- **■** Recycleable packaging
- RoHS compliant (Directive 2002/95/EC) as per product date code 0413



Panel boards, mechanical engineering



Technical data of approved types on request

Contact data	1-pole	2-pole		
Contact configuration	1 CO	2 CO		
Contact set	single o	contact		
Type of interruption	micro disconnection			
Rated current	12 / 16 A	8 A		
Rated voltage / max.switching voltage AC	240/400 VAC			
Maximum breaking capacity AC	3000 / 4000 VA	2000 VA		
Limiting making capacity, max 4 s, df 10%	25 / 30 A	15 A		
Contact material	AgNi 90/10			
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 / 120	0 min ⁻¹		

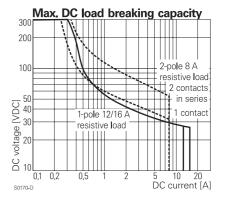


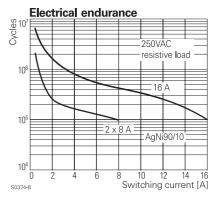
Type	Load	Cycles
RT314	16 A, 250 VAC, NO contact, 85°C, DF 10%, UL508	50x10 ³
RT314	16 A, 250 VAC, NC contact, 70°C, 30min ⁻¹	53x10 ³
RT314	16 A, 250 VAC, CO contact, VDE 0435	30×10^3
RT314	1000 W incandescent lamp, 250 VAC	1.2x10 ³
RT314	10 A, 250 VAC, cosφ=0.6, CO contact, 70°C	200x10 ³
RT314	5 A / 2 A, 250 VAC, cosφ=1, motor, NO contact, 10min ⁻¹ , 70°C	1.1x10 ⁶
RT314	Pilot duty A300 (NO contact), B300 (CO/NC contact), UL508	
RT314	1hp @ 240 VAC, 1/2hp @ 120 VAC, NO contact, UL508	
RT314	AC15, 6 A, 250 VAC, NO and NC contact, 85°C, EN60947-5-1	
RT314	DC13, 2 A / 24 VDC, 0.2 A / 250 VDC, NO and NC contact, 85°C, E	EN60947-5-1
RT424	8 A, 250 VAC, NO contact, 70°C, EN61810-1	100x10 ³
RT424	6(2) A, 250 VAC, NO/NC contact, 85°C; EN60730-1	100x10 ³
RT424	1/2hp @ 240 VAC, 1/4hp @ 120 VAC, UL508	
RT424	Pilot duty B300, UL508	
RT424	8 A, 30 VDC, General Purpose, UL508	

Coil data	
Rated coil voltage range DC coil	5110 VDC
AC coil	24230 VAC
Coil power DC coil	typ 400 mW
AC coil	typ 0.75 VA
Operative range	2
Coil insulation system according UL1446	class F



F0269-











Interface Power Relay RT (Continued)

Coil versions, DC-coil Coil Operate Release Rated coil Coil Rated voltage code voltage voltage resistance power VDČ **VDČ** VDČ Ohm mW 90±10% 006 4.2 400 0.6 6 8.4 360±10% 400 012 12 1.2 2.4 024 24 16.8 1440±10% 400 048 48 33.6 4.8 5520±10% 417 060 60 6.0 8570±12% 420 28800±12% 77.0 420 110 110 11.0

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

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
524	24	18.0	3.6	350±10%	0.76
615	115	86.3	17.3	8100±15%	0.76
730	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

Insulation

ilibulation	
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	≥ 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 basic Rated insulation voltage 250 V Pollution degree 3 Rated voltage system 240/400 V Overvoltage category III

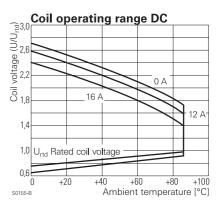
Other data	1-pole	2-pole		
RoHS - Directive 2002/95/EC c	002/95/EC compliant as per product date code (
Flammability class according to UL94	V-	-0		
Ambient temperature range DC coil	-40+85°C			
AC coil	-40+70°C			
Operate- / release time DC coil	typ 7 / 3 ms	typ 7 / 2 ms		
Bounce time DC coil, NO / NC contact	typ 1 / 3 ms	typ 1/3 ms		
Vibration resistance (function), NO / NC contact	ntact 20 / 5 g, 30 500 Hz			
Shock resistance (destruction)	100) g		
Category of protection	RT	11		
Mounting distance	0 mm, dens	se packing		
Relay weight	14 g			
Packaging unit	20 / 500 pcs			

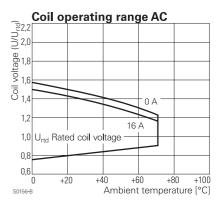
Accessories

For Details see datasheet	Accessories Interface Power Relay RT

Relay Packages

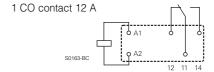
Complete packages consisting of a relay mounted on a socket see Package RT

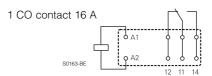


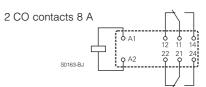


Terminal assignment

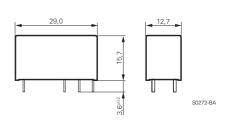
Bottom view on pins







Dimensions



'Schrack' section.







Interface Power Relay RT (Continued)

Product key		RT	4
Туре			
Version			
1 1-pole, 12 A, pinning 3.5 mm	3 1-pole, 16 A, pinning 5 mm		
2 1-pole, 12 A, pinning 5 mm	4 2-pole, 8 A, pinning 5 mm		
Contact configuration			
1 1 CO contact	2 2 CO contacts		
Contact material			
4 AgNi 90/10			
Coil			
Coil code: please refer to coil versions to	able, preferred types in bold print		

Wash tight version on request

Product key	Version	Contacts	Cont. material	Coil	Coil	Part number
RT114024	1-pole, 12 A	1 CO contact	AgNi 90/10	DC-coil	24 VDC	1-1393239-3
RT114524	pinning 3.5 mm			AC-coil	24 VAC	1-1393239-7
RT114615	, ,				115 VAC	1-1393239-8
RT114730					230 VAC	1-1393239-9
RT214024	1-pole, 12 A			DC-coil	24 VDC	5-1393239-5
RT214524	pinning 5 mm			AC-coil	24 VAC	5-1393239-9
RT214615	, ,				115 VAC	6-1393239-0
RT214730					230 VAC	0-1419108-6
RT314024	1-pole, 16 A			DC-coil	24 VDC	9-1393239-8
RT314524	pinning 5 mm			AC-coil	24 VAC	0-1393240-4
RT314615	'				115 VAC	0-1393240-6
RT314730					230 VAC	0-1393240-7
RT424024	2-pole, 8 A	2 CO contacts		DC-coil	24 VDC	6-1393243-8
RT424524	pinning 5 mm			AC-coil	24 VAC	7-1393243-6
RT424615	'				115 VAC	7-1393243-8
RT424730					230 VAC	7-1393243-9

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

TE Connectivity:

<u>RT314024</u> <u>RT314024F</u> <u>RT314005</u> <u>RT424F24</u> <u>RT424F12</u> <u>RT314A05</u> <u>RT314012</u> <u>RT314524</u> <u>RT314615</u> RT314730 RT314A12 RT314110 RT314006 RT314005F RT314048