

- 2-pole 8 A, 2 CO contacts
- DC- or AC-coil
- Reinforced insulation
- Height 15.7 mm
- Transparent cover optional
- RoHS compliant (Directive 2002/95/EC) as per product date code 0413



S0271-A

Applications

Domestic appliances, heating control, emergency lighting, automatic doors

Approvals

VDE REG.-Nr. A65 1, **RU** US E214025
 Technical data of approved types on request

Contact data

Contact configuration	2 CO
Contact set	single contact
Type of interruption	micro disconnection
Rated current	8 A
Rated voltage / max.switching voltage AC	240/400 VAC
Maximum breaking capacity AC	2000 VA
Limiting making capacity, max 4 s, duty factor 10%	15 A
Contact material	AgNi 90/10
Mechanical endurance DC coil	> 5 x 10 ⁶ cycles
AC coil	> 1 x 10 ⁶ cycles
Rated frequency of operation with / without load	6 / 600 min ⁻¹

Contact ratings

Type	Load	Cycles
RX4	8 A, 250 VAC, 70°C, EN61810-1	4x10 ⁴
RX4	8 A, 250 VAC, 70°C, UL508 General purpose	4x10 ⁴

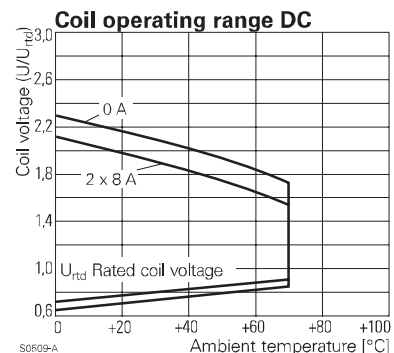
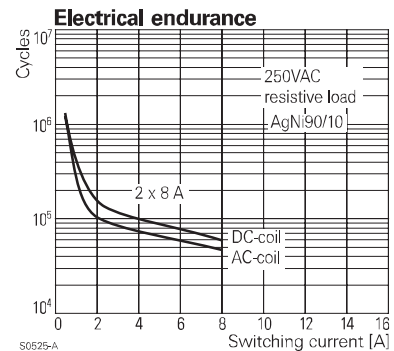
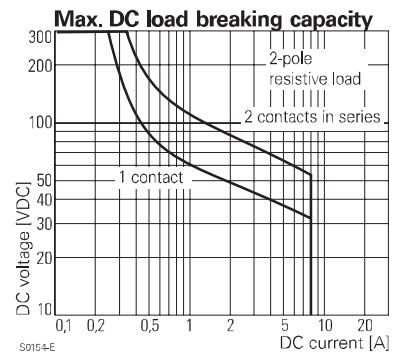
Coil data

Rated coil voltage range DC coil	5...110 VDC
AC coil	24...230 VAC
Coil power DC coil	520 mW
AC coil	typ 0,75 VA
Operative range	2
Coil insulation system according UL1446	class F

Coil versions, DC-coil

Coil code	Rated voltage VDC	Operate voltage VDC	Release voltage VDC	Coil resistance Ohm	Rated coil power mW
005	5	3.5	0.5	50±10%	500
006	6	4.2	0.6	68±10%	529
012	12	8.4	1.2	274±10%	526
024	24	16.8	2.4	1095±10%	526
048	48	33.6	4.8	4380±10%	526
060	60	42.0	6.0	6845±10%	526
110	110	77.0	11.0	23010±10%	526

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



Coil versions, AC-coil 50Hz

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

Insulation

Dielectric strength coil-contact circuit	4000 V _{rms}	
open contact circuit	1000 V _{rms}	
adjacent contact circuits	2500 V _{rms}	
Clearance / creepage coil-contact circuit	≥ 8 / 8 mm	
adjacent contact circuits	≥ 3 / 4 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	basic	
Rated insulation voltage	250 V	
Pollution degree	3	2
Rated voltage system	240 V	400 V
Overvoltage category	III	

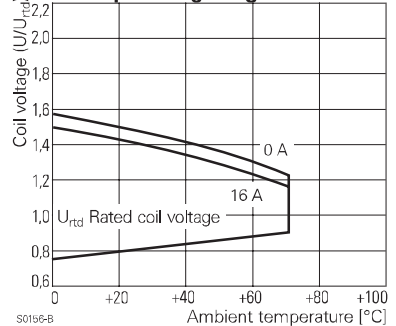
Other data

RoHS - Directive 2002/95/EC	compliant as per product date code 0413
Flammability class according to UL94	V-0
Ambient temperature range	-40...70°C
Operate- / release time DC coil	typ 7 / 2 ms
Bounce time DC coil, NO / NC contact	typ 1 / 3 ms
Vibration resistance (function) NO / NC contact	20 / 4 g, 10 ... 150 Hz
Shock resistance (destruction)	100 g
Category of protection	RTII - flux proof
Mounting standard version (white cover)	pcb or on socket
transparent version	pcb
Mounting distance	2,5 mm
Resistance to soldering heat flux-proof version	270°C / 10 s
Relay weight	14 g
Packaging unit	500 pcs

Accessories

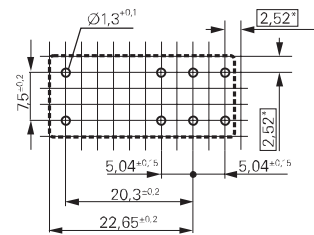
For standard version (white cover), details see accessories RT

Coil operating range AC



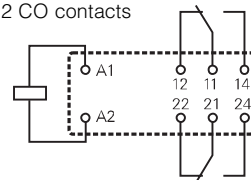
PCB layout / terminal assignment

Bottom view on solder pins

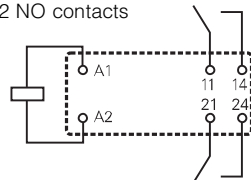


*) With the recommended PCB hole sizes a grid pattern from 2.5 mm to 2.54 mm can be used.

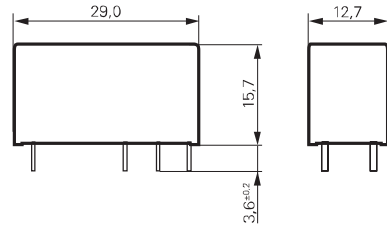
2 CO contacts



2 NO contacts



Dimensions



Power PCB Relay RX2 (Continued)

Product key

Type	R X	4	2	4			
Version	4 8 A, pinning 5 mm, flux proof						
Contact configuration	2 2 CO contacts						
Contact material	4 AgNi 90/10						
Coil	Coil code: please refer to coil versions table						
Cover	Blank standard cover (white) C transparent cover (clear)						

Product key	Version	Contacts	Cont. material	Coil	Cover	Part number
RX424012	8 A	2 CO contacts		12 VDC		2-1415504-1
RX424012C	pinning 5mm			12 VDC	transparent	5-1415504-1
RX424024	flux proof			24 VDC	white	3-1415504-1
RX424024C				24 VDC	transparent	6-1415504-1
RX424524				24 VAC	white	5-1415532-1
RX424730				230 VAC		4-1415504-1
RX424730C				230 VAC	transparent	7-1415504-1