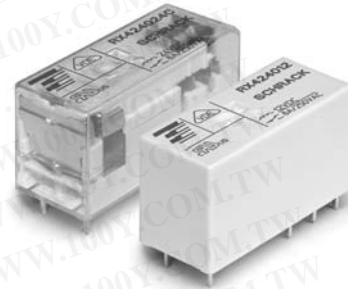


Power PCB Relay RX2

- 2-pole 8 A, 2 CO contacts
- DC- or AC-coil
- Reinforced insulation
- Height 15.7 mm
- Transparent cover optional

Applications

Domestic appliances, heating control, emergency lighting, automatic doors



S0271-A

Approvals

VDE REG.-Nr. A651, cULus E214025
Technical data of approved types on request

Contact data

Contact configuration	2 CO
Contact set	single contact
Type of interruption	micro disconnection
Rated voltage / max. switching voltage AC	250 / 400 VAC
Rated current	8 A
Maximum breaking capacity AC	2000 VA
Limiting making capacity, max 4 s, duty factor 10%	15 A
Contact material	AgNi 90/10
Rated frequency of operation with / without load	6 / 600 min ⁻¹
Operate- / release time DC coil	max 8 / 6 ms
Bounce time DC coil, NO / NC contact	max 4 / 10 ms

Contact ratings

Type	Contact Load	Ambient temp. [°C]	Cycles
IEC 61810			
RX424 CO	8 A, 250 VAC, cosφ=1	70°C	40x10 ³
RX424 NC	8 A, 250 VAC, cosφ=1	70°C	60x10 ³
UL 508			
RX424 NO / NC	8 A, 250 VAC, general purpose	70°C	40x10 ³

Coil data

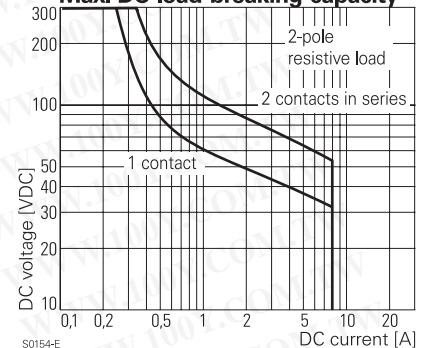
Rated coil voltage range DC coil	5...110 VDC
AC coil	24...230 VAC
Operative range to IEC 61810	2
Coil insulation system according UL1446	class F

Coil versions, DC-coil

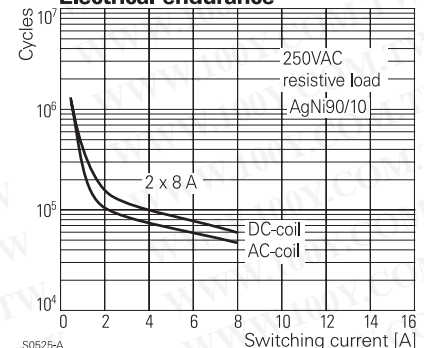
Coil code	Rated voltage VDC	Operate voltage VDC	Release voltage VDC	Coil resistance Ohm	Rated coil power mW
005	5	3.5	0.5	50±10%	500
006	6	4.2	0.6	68±10%	529
012	12	8.4	1.2	274±10%	526
024	24	16.8	2.4	1095±10%	526
048	48	33.6	4.8	4380±10%	526
060	60	42.0	6.0	6845±10%	526
110	110	77.0	11.0	23010±10%	526

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

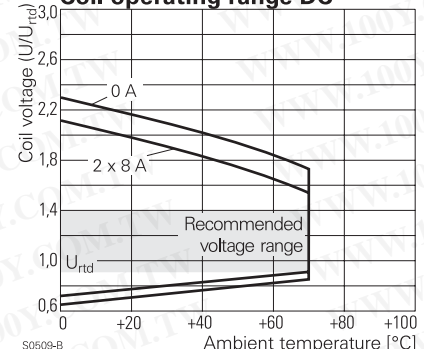
Max. DC load breaking capacity



Electrical endurance



Coil operating range DC



Power PCB Relay RX2 (Continued)

Coil versions, AC-coil 50Hz

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

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 61810-1	
Type of insulation coil-contact circuit	reinforced
open contact circuit	micro disconnection
adjacent contact circuits	basic
Rated insulation voltage	250 V
Pollution degree	3
Rated voltage system	240 V
Overvoltage category	III

Other data

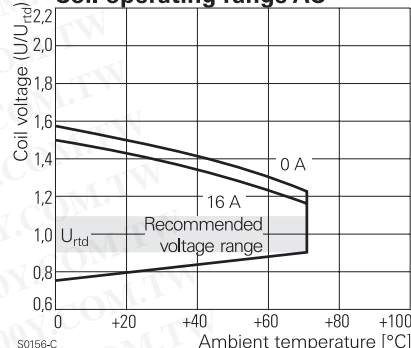
Mechanical endurance DC coil	> 5 × 10 ⁶ cycles
AC coil	> 1 × 10 ⁶ cycles
Material	
RoHS - Directive 2002/95/EC	compliant as per product date code 0413
Environment	
Ambient temperature range	-40...+70°C
Vibration resistance (function) NO / NC contact	20 / 4 g, 10 ... 150 Hz
Shock resistance (destruction)	100 g
Category of protection	RTII - flux proof
Processing	
Mounting standard version (white cover)	pcb or on socket
transparent version	pcb
Mounting distance	≥ 2,5 mm ¹⁾
Resistance to soldering heat flux-proof version	270°C / 10 s
Relay weight	14 g
Packaging unit	500 pcs

¹⁾ Version with transparent cover: 5 mm

Accessories

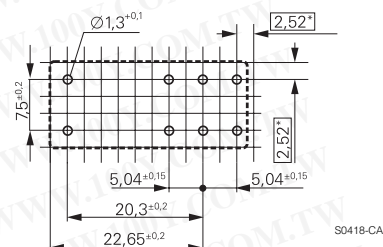
For standard version (white cover), details see	accessories RT
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Coil operating range AC



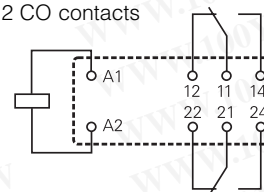
PCB layout / terminal assignment

Bottom view on solder pins

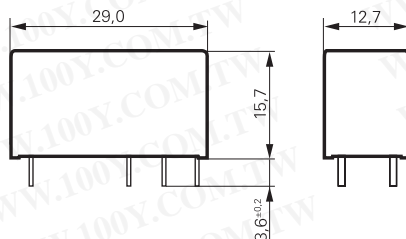


*) With the recommended PCB hole sizes a grid pattern from 2.5 mm to 2.54 mm can be used.

2 CO contacts



Dimensions



Power PCB Relay RX2 (Continued)

Product key

Typical product key

RX 4 2 4 012
Type
RX Power PCB Relay RX2

Version
4 8 A, pinning 5 mm, flux proof

Contact configuration
2 2 CO contacts (2 form C)

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