

Power PCB Relay RT2 bistable

- 2 pole 8 A, 2 CO contacts
- Polarized bistable version with 1 or 2 coils
- 5 kV / 10 mm coil-contact
- **■** Reinforced insulation
- RoHS compliant (Directive 2002/95/EC) as per product date code 0413

Applications

Battery powered equipment or applications with "memory function" (e.g. mains failure)



F0219-B

Approvals

REG.-Nr. 6106, c Sus E214025, Sus 1438
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, UL: 10 A	
Rated voltage / max.switching voltage AC	240/400 VAC	
Limiting continuous current	UL: 10 A	
Maximum breaking capacity AC	2000 VA	
Limiting making capacity, max 4 s, duty factor 10%	15 A	
Contact material	AgNi 90/10	
Mechanical endurance	> 2 x 10 ⁶ cycles	
Rated frequency of operation with / without load	15 / 1200 min ⁻¹	

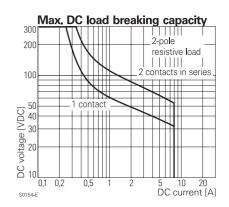
Coil data	1 coil	2 coils	
Rated coil voltage range	524	· VDC	
Coil power	typ 400 mW	typ 600 mW	
Operative range	(2	
Limiting voltage, % of rated coil voltage	120%	150%	
Minimum energization duration	30	ms	
Maximum energization duration	1 min at < 10% DF		

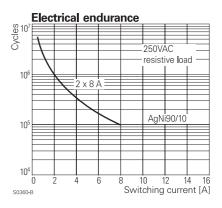
Coil versions, bistable DC-coil

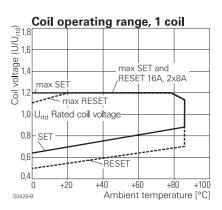
Coil insulation system according UL1446

	iono, biotabio				
Coil	Rated	Operate	Reset	Coil	Rated coil
code	voltage	voltage	voltage	resistance	power
	VDČ	VDČ	VDČ	Ω	mW
bistable,	1 coil				
A05	5	3.5	2.8	62±10%	403
A06	6	4.2	3.3	90±10%	400
A12	12	8.4	6.6	360±10%	400
A24	24	16.8	13.2	1440±10%	400
bistable,	2 coils				
F05	5	3.5	2.8	42±10%	595
F06	6	4.2	3.3	55±10%	655
F12	12	8.4	6.6	240±10%	600
F24	24	16.8	13.2	886±10%	650

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







class F

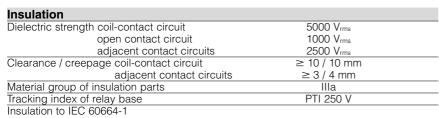




Power PCB Relay RT2 bistable (Continued)

Coils operation

Version	1 (coil		2 coils		
Coil terminals	A1	A2	A1	АЗ	A2	
Pull-in	+	-		+	-	
Reset	-	+	-	+		
Contact position not defined at delivery						



Type of insulation coil-contact circuit reinforced open contact circuit micro disconnection adjacent contact circuits basic Rated insulation voltage 250 V Pollution degree Rated voltage system 250 V

Overvoltage category

400 V Ш

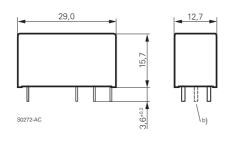
Other data				
RoHS - Directive 2002/95/EC	compliant as per product date code 0413			
Ambient temperature range	-40+85°C			
Operate- / release time	typ 5 / 3 ms			
Bounce time NO / NC contact	typ 1 / 4 ms			
Vibration / shock resistance (function) opening	ng NC contact 3 / 5 g			
opening closed NO contact 6 / 15 g				
Shock resistance (destruction) 100 g				
Category of protection	RTII - flux-proof			
Mounting	pcb or on socket *)			
Mounting distance DC / AC coils	0 mm			
Resistance to soldering heat	270°C / 10 s			
Relay weight	13 g			
Packaging unit DC coil, bistable 1 coil	20 / 500 pcs			
bistable 2 coils	100 pcs			
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^{*)} socket available for 1 coil version only, see Accessories

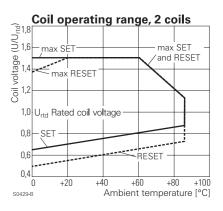
Accessories

|--|

Dimensions



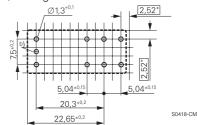
- a) Indicated contact position while or after coil energization with reset voltage.
- b) for 2 coil version only



PCB layout / terminal assignment

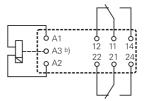
Bottom view on solder pins

8 A, Pinning 5 mm



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

2 CO contacts



S0163-CL

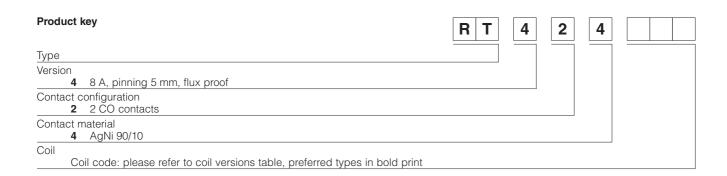
a)



SCHRACK



Power PCB Relay RT2 bistable (Continued)



Product key	Version	Contacts	Cont. material	Coil	Coil	Part number
RT424A12	8 A	2 CO contacts	AgNi 90/10	bistable	12 VDC	4-1393243-6
RT424A24	pinning 5 mm			1 coil	24 VDC	4-1393243-7
RT424F12	flux tight			bistable	12 VDC	5-1393243-4
RT424F24				2 coils	24 VDC	5-1393243-6

'Schrack' section.