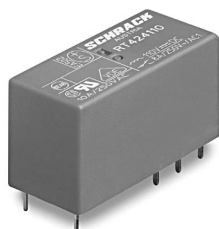


# Power PCB Relay RT2

2 pole 8 A, DC and AC-coil



### Features

- 2 C/O or 2 N/O contacts
- Sensitive coil 400 mW
- DC- or AC-coil
- 5 kV / 10 mm coil-contact
- Protection class II (VDE 0700)
- Height 15.7 mm
- Sockets with PCB-type or screw-type terminals

### Applications

Domestic appliances, heating control, emergency lighting, modems

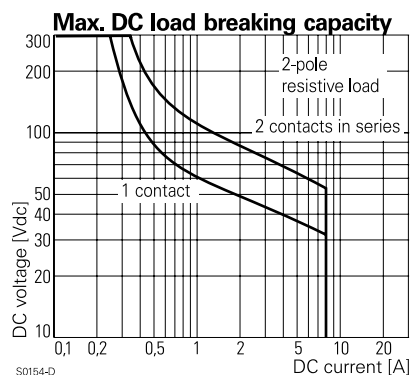
F0149-B



Technical data of approved types on request

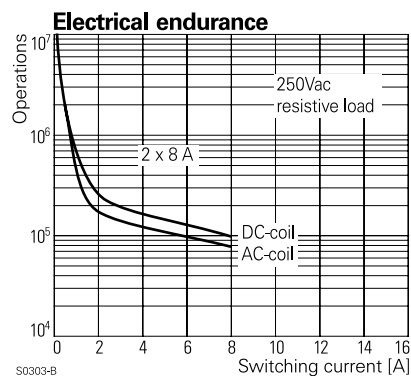
### Contact data

Configuration	2 C/O contact or 2 N/O contact
Type of contact	single contact
Rated current	8 A
Rated voltage / max.breaking voltage AC	250 Vac / 440 Vac
Maximum breaking capacity AC	2000 VA
Make current (max. 4 s at duty cycle 10%)	15 A
Contact material	AgNi 90/10, AgNi 90/10 gold plated



### Contact ratings

Type	Load	Operations	Standard
RT 424	4 A, 230 Vac, $\cos\phi=0.6$	$1.5 \times 10^5$	
RT 424	6 (2) A, 250 Vac, on the N/O- N/C contact		VDE 0631
RT 424	1/2 hp / 240 Vac, 1/4 hp / 120 Vac	$6 \times 10^3$	UL 508



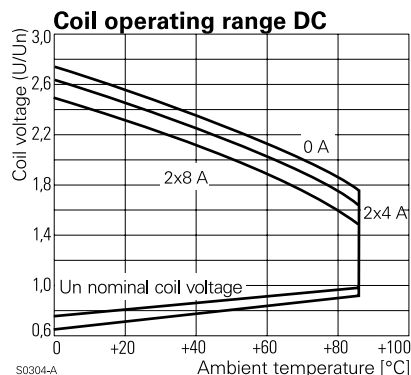
### Coil data

Nominal voltage	DC coil	5...110 Vdc
AC coil	24...230 Vac	
Nominal coil power	DC coil	400 mW
AC coil	0.75 VA	
Operate category		2 / b

### Coil versions, DC-coil

Coil code	Nominal voltage Vdc	Pull-in voltage Vdc	Release voltage Vdc	Maximum voltage Vdc	Coil resistance $\Omega$	Coil current mA
005	5	3.5	0.5	12.7	$62 \pm 10\%$	80.0
006	6	4.2	0.6	15.3	$90 \pm 10\%$	66.7
012	12	8.4	1.2	30.6	$360 \pm 10\%$	33.3
024	24	16.8	2.4	61.2	$1440 \pm 10\%$	16.7
048	48	33.6	4.8	122.4	$5520 \pm 10\%$	8.7
060	60	42.0	6.0	153.0	$7340 \pm 12\%$	8.1
110	110	77.0	11.0	280.5	$26600 \pm 12\%$	4.1

All figures are given for coil without preenergization, at ambient temperature +20°C Other coil voltages on request



## Power PCB Relay RT2

2 pole 8 A, DC and AC-coil

### Coil versions, AC-coil

Coil code	Nominal voltage Vac	Pull-in voltage Vac	Release voltage Vac	Maximum voltage Vac	Coil resistance $\Omega$	Coil current mA
524	24	18.0	3.6	36.0	350 $\pm$ 10%	31.6
615	115	86.3	17.3	172.5	8100 $\pm$ 15%	6.6
730	230	172.5	34.5	345.0	32500 $\pm$ 15%	3.2

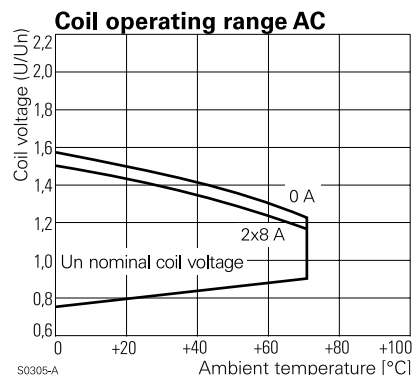
All figures are given for coil without preenergization, at ambient temperature +20°C

### Insulation

Dielectric strength	coil-contacts	5000 $V_{rms}$
	open contact circuit	1000 $V_{rms}$
	adjacent contacts	2500 $V_{rms}$
Clearance / creepage		10 / 10 mm
Insulation to IEC 60664		
Voltage rating		250 V
Pollution degree		3
Overvoltage category		III
Insulation to VDE 0110b (2/79)		
Insulation category / reference voltage		C / 250

### Other data

Flammability class according to UL 94	V-0
Coil insulation system according to UL 1446	Class F
Ambient temperature	-40...+70 °C
Mechanical life	DC-coil >30x10 <sup>6</sup> operations
	AC-coil >5x10 <sup>6</sup> operations
Max. switching rate at rated- / minimum load	6 min <sup>-1</sup> / 1200 min <sup>-1</sup>
Operate- / release time DC-coil	typ. 7 / 2 ms
Bounce time N/O contact/N/C contact	typ. 1 / 3 ms
Vibration resistance N/O / N/C contact	20 / 5 g, 30...300 Hz
Shock resistance (destruction)	100 g
Category of protection (IEC 61810)	RT II - flux proof, RT III - wash tight
Relay weight	13 g
Packaging unit	20 / 500 pcs.
Accessories	see accessories RT

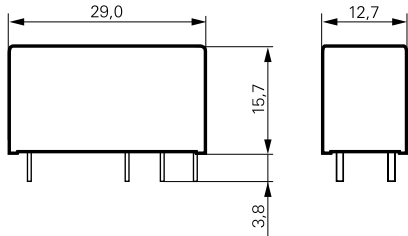


# Power PCB Relay RT2

2 pole 8 A, DC and AC-coil

## Dimensions

Dimensions in mm

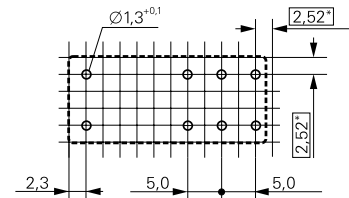


S0272-AA

## PCB layout / terminal assignment

View on solder pins

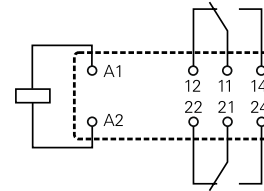
Dimensions in mm



S0418-BA

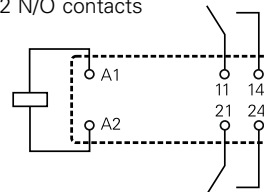
\*) With the recommended PCB hole sizes a grid pattern from 2.5 mm to 2.54 mm can be used.

## 2 C/O contacts



S0163-BJ

## 2 N/O contacts



S0163-BK

## Product key

Type

Version

- 4** 8 A, pinning 5 mm, flux proof
- E 8 A, pinning 5 mm, wash tight

Contacts

- 2 2 C/O contacts**
- 4** 2 N/O contacts

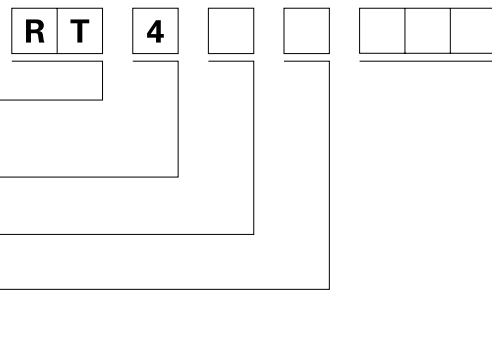
Contact material

- 4** AgNi 90/10
- 5** AgNi 90/10 gold plated

Coil

Coil code: please refer to coil versions table

Preferred types in bold print



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