

Electronics

Power PCB Relay RT2

- 2 pole 8 A, 2 CO or 2 NO contacts
- **■** DC- or AC-coil
- Sensitive coil 400 mW
- Reinforced insulation
- WG version: Product in accordance to IEC60335-1
- RoHS compliant (Directive 2002/95/EC) as per product date code 0413

Applications

Domestic appliances, heating control, emergency lighting, modems



F0149-B

SCHRACK

Approvals

VDE REG.-Nr. 6106, C SU us E214025,

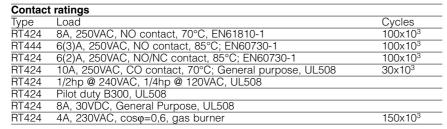
Technical data of approved types on request

Contact data	
Contact configuration	2 CO or 2 NO
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 fac	
Contact material	AgNi 90/10, AgNi 90/10 gold plated, AgSnO ₂
Mechanical endurance DC coil	> 30 x 10 ⁶ cycles
AC coil	> 5 x 10 ⁶ cycles

Contact material	AgNi 90/10, AgNi 90/10 gold plated, AgS
Mechanical endurance DC coil	> 30 x 10 ⁶ cycles
AC coil	> 5 x 10 ⁶ cycles
Rated frequency of operation with / without	load 6 / 1200 min-1
-	<u> </u>

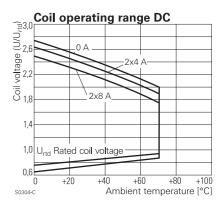
Max. DC load breaking capacity 2-po**l**e 200 resistive load contacts in series 100 contact [DQ 40 30 30 voltage [G 10 0,5 DC current [A]

	Elec	trica	l end	dura	nce			
£ 10 ⁷								
ਹੁੱ								
Cycles Cycles						250Va		
	1					resist	ive l oa	d —
10 ⁶	\perp					AgNi9	0/10	
	_/		2 x 8 /	=				
	H							
	_/,							
10 ⁵			//		חרי	l ooil		
10°				\sim	DC-c	<u> </u>		
					FACT	·''' =		
10 ⁴								
	0 :	2 4	1 (6 6			2 1	
S0303-0					Swit	ching	curre	nt [A]



Coil versions, DC-coil									
Coil	Rated	Operate	Release	Coil	Rated coil				
code	voltage	age voltage voltage		resistance	power				
	VDČ	VDC	VDČ	Ω	mW				
005	5	3.5	0.5	62±10%	403				
006	6	4.2	0.6	90±10%	400				
012	12	8.4	1.2	360±10%	400				
024	24	16.8	2.4	1440±10%	400				
048	48	33.6	4.8	5520±10%	417				
060	60	42.0	6.0	8570±12%	420				
110	110	77.0	11.0	28800±12%	420				
All figures are all and for a city without are a consideration, at a collinat tensor and true and 0000									

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









Power PCB Relay RT2 (Continued)

Coil versions, AC-coil 50Hz

Overvoltage category

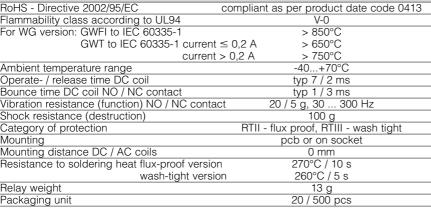
Coil	Rated	Operate	Release	Coil	Rated coil
code	voltage	voltage	voltage	resistance	power
		50 Hz	50 Hz		50 Hz
	VAC	VAC	VAC	Ω	VA
524	24	18.0	3.6	350±10%	0.76
615	115	86.3	17.3	8100±15%	0.76
700	200	150.0	30.0	24350±15%	0.76
730	230	172.5	34.5	32500±15%	0.74

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

Insulation	
Dielectric strength coil-contact circuit	5000 V _{rms}
open contact circuit	1000 V _{rms}
adjacent contact circuits	2500 V _{rms}
Clearance / creepage coil-contact circuit	≥ 10 / 10 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	

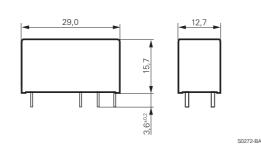
Type of insulation coil-contact circuit reinforced open contact circuit functional adjacent contact circuits basic Rated insulation voltage 250 V Pollution degree 3 240 V 400 V Rated voltage system

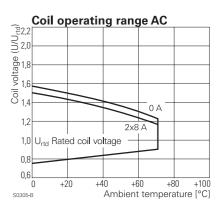
Other data RoHS - Directive 2002/95/EC compliant as per product date code 0413 Flammability class according to UL94 For WG version: GWFI to IEC 60335-1 V-0 > 850°C GWT to IEC 60335-1 current \leq 0,2 A > 650°C > 750°C current > 0,2 A Ambient temperature range -40...+70°C typ 7 / 2 ms Operate- / release time DC coil Bounce time DC coil NO / NC contact Vibration resistance (function) NO / NC contact typ 1 / 3 ms 20 / 5 g, 30 ... 300 Hz 100 g Shock resistance (destruction) RTII - flux proof, RTIII - wash tight Category of protection Mounting pcb or on socket Mounting distance DC / AC coils 0 mm 270°C / 10 s Resistance to soldering heat flux-proof version wash-tight version 260°C / 5 s Relay weight 13 g



Accessories

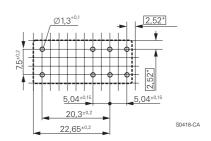
Dimensions



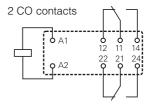


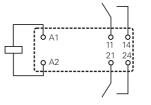
PCB layout / terminal assignment

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.





S0163-BJ

Ш







Electronics

Power PCB Relay RT2 (Continued)

Product key	R T 4
Туре	
Version	
4 8 A, pinning 5 mm, flux proofE 8 A, pinning 5 mm, wash tight	
Contact configuration 2 2 CO contacts	4 2 NO contacts
Contact material	
3 AgSnO ₂	
4 AgNi 90/10	5 AgNi 90/10 gold plated
Coil	
Coil code: please refer to coil version	ns table
Version	
Blank Standard version	
WG Product in accordance with	IEC 60335-1 (domestic appliances)

Preferred types in bold print

Product key	Version	Contacts	Cont. material	Coil	Coil	Part number
RT424005	8 A	2 CO contacts	AgNi 90/10	DC-coil	5 VDC	5-1393243-9
RT424006	pinning 5 mm				6 VDC	6-1393243-1
RT424012	flux proof				12 VDC	6-1393243-3
RT424024	· ·				24 VDC	6-1393243-8
RT424048					48 VDC	7-1393243-0
RT424060					60 VDC	7-1393243-3
RT424110					110 VDC	7-1393243-5
RT424524				AC-coil	24 VAC	7-1393243-6
RT424615					115 VAC	7-1393243-8
RT424730					230 VAC	7-1393243-9
RT425005			AgNi 90/10	DC-coil	5 VDC	8-1393243-0
RT425012			gold plated		12 VDC	8-1393243-2
RT425024					24 VDC	8-1393243-5
RT425524				AC-coil	24 VAC	9-1393243-1
RT425615					115 VAC	9-1393243-2
RT425730					230 VAC	9-1393243-3
RT444012		2 NO contacts	AgNi 90/10	DC-coil	12 VDC	9-1393243-7
RT444024					24 VDC	9-1393243-9
RTE24005	8 A	2 CO contacts			5 VDC	0-1393243-1
RTE24006	pinning 5 mm				6 VDC	0-1393243-2
RTE24012	wash tight				12 VDC	0-1393243-4
RTE24024					24 VDC	1-1393243-0
RTE24048					48 VDC	1-1393243-1
RTE24060					60 VDC	1-1393243-3
RTE24110					110 VDC	1-1393243-4
RTE24524				AC-coil	24 VAC	1-1393243-5
RTE24615					115 VAC	1-1393243-7
RTE24730					230 VAC	1-1393243-8
RTE25005			AgNi 90/10	DC-coil	5 VDC	1-1393243-9
RTE25012			gold plated		12 VDC	2-1393243-0
RTE25024					24 VDC	2-1393243-1