

Power PCB Relay RPII/2

■ 2 pole 8 A, 2 form C (CO) or 2 form A (NO) contacts

■ 4 kV/8 mm coil contact


 Applications
 Domestic appliances, UPS


F0150-B

Approvals

VDE Cert. No. 40025448, UL E214025

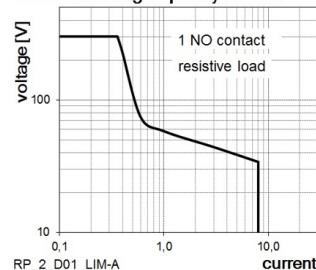
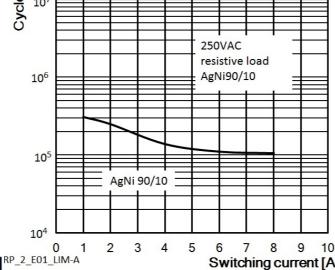
Technical data of approved types on request

Contact Data

Contact configuration	2 form C (CO) or 2 form A (NO)
Rated voltage / max.switching voltage AC	250 VAC
Max. switching voltage	400 VAC
Rated current	8 A (UL: 10A)
Limiting making capacity, max 4 s, duty factor 10%	14 A
Breaking capacity max.	2000 VA
Contact material	AgNi 90/10
	AgNi0.15 gold flashed
Frequency of operation with / without load	600 / 36000 h ⁻¹
Operate/release time typ.	9/3 ms
Bounce time typ., form A/form B	2/3 ms

Contact ratings

Type	Contact	Load	Cycles
IEC61810			
RP421	A (NO)	8A, 250 VAC, resistive, 35°C	100x10 ³
RP424 DC-coil	A (NO)	8A, 250 VAC, resistive, 35°C	100x10 ³
RP424 DC-coil	C (CO)	5A, 250 VAC, resistive, 70°C	20x10 ³
RP424 DC-coil	A (NO)	8A, 250 VAC, resistive, 70°C	30x10 ³
RP424 REM	A (NO)	8A, 250 VAC, resistive, 35°C	50x10 ³
UL508			
RP421	C (CO)	8A, 250 VAC, gen. purp, 40°C	6x10 ³
RP424	A (NO)	10A, 250 VAC, gen. purp, 65°C	30x10 ³
RP424	C (CO)	8A, 250 VAC, gen. purp, 70°C	6x10 ³
RP424	A (NO)	1/2 HP, 240 VAC, 70°C	6x10 ³

Max. breaking capacity RPII/2

Electrical endurance


Power PCB Relay RPII/2 (Continued)
Insulation

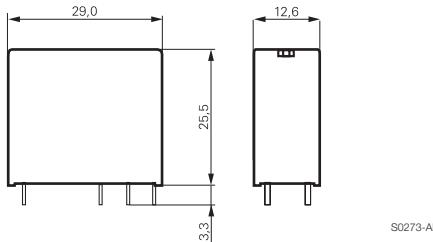
Initial dielectric strength	
coil-contact circuit	4000V _{rms}
open contact circuit	1000V _{rms}
adjacent contact circuits	2500V _{rms}
Clearance/creepage	
coil-contact circuit	≥8/8mm
Material group of insulation parts	IIIa

Other Data

Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at www.te.com/customersupport/rohssupportcenter	
Ambient temperature	-40 to +70°C
Category of environmental	
IEC 61810	RTII - flux proof, RTIII - wash tight
Vibration resistance (functional),	
form A/form B, 30 to 150Hz	11/1.5g
Shock resistance (destructive)	100g
Terminal type	PCB-THT
Resistance to soldering heat THT, IEC 60068-2-20	
flux-proof version	270°C / 10s
wash-tight version	260°C / 5s
Relay weight	18g
Packaging unit	tube/20 pcs., box/500 pcs.

Dimensions

Dimensions in mm

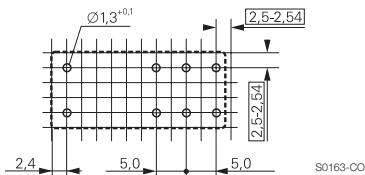


monostable and REM I (REM II version has 3 coil terminals)

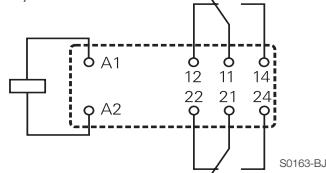
PCB layout / terminal assignment

Bottom view on solder pins

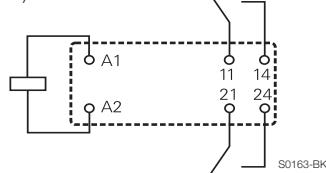
Dimensions in mm



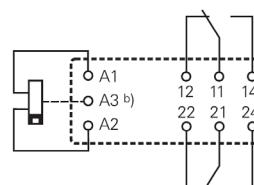
2 form C (CO) contacts



2 form A (NO) contacts

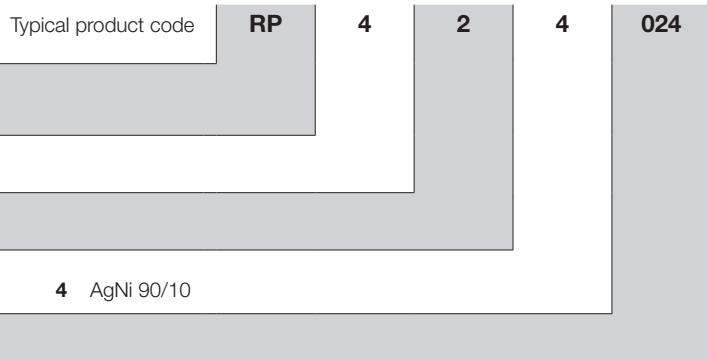


2 form C (CO) contacts (REM II version/ 2 coils)



a) Indicated contact position while or after coil energization with reset voltage.

b) for 2 coil version only

Product code structure

Type
RP Power PCB Relay RPII/2

Version
4 8A, flux proof **8** 8A, wash tight

Contact arrangement
2 2 form C (2 CO) **4** 2 form A (2 NO)

Contact material
1 AgNi0.15 gold flashed **0** Discontinued: AgCdO² **4** AgNi 90/10

Coil

Coil code: please refer to coil versions table

2) AgCdO contacts are discontinued and replaced with AgNi contacts (see PCN E-18-003947)

Power PCB Relay RPII/2 (Continued)

Product Code	Version	Contacts	Cont. Material	Coil Version	Coil	Part Number
RP421012	Flux proof	2 form C (CO) contacts	AgNi0.15	monostable	12VDC	6-1393234-7
RP421024					24VDC	6-1393234-8
RP421110					110VDC	7-1393234-1
RP821012	Wash tight		AgNi0.15		12VDC	1393845-4
RP821024					24VDC	1393845-5
RP424005	Flux proof		AgNi 90/10		5VDC	6-1415546-2
RP424006					6VDC	6-1415546-3
RP424012					12VDC	6-1415546-4
RP424024					24VDC	6-1415546-5
RP424048					48VDC	6-1415546-6
RP424060					60VDC	6-1415546-7
RP424110					110VDC	6-1415546-8
RP424A12				REM I	12VDC	6-1415546-9
RP424A24					24VDC	7-1415546-0
RP424A48					48VDC	7-1415546-1
RP424F12				REM II	12VDC	7-1415546-2
RP424F24					24VDC	7-1415546-3
RP444012		2 form A (NO) contacts		monostable	12VDC	7-1415546-4
RP444024					24VDC	7-1415546-5
RP824006	Wash tight	2 form C (CO) contacts			6VDC	7-1415546-6
RP824012					12VDC	7-1415546-7
RP824024					24VDC	7-1415546-8
RP824048					48VDC	7-1415546-9
RP824060					60VDC	8-1415546-0
RP844024		2 form A (NO) contacts			24VDC	6-1415546-1

Note. This list represents the most common types and does not show all variants covered by this datasheet. Other types on request.