

## Miniature PCB Relay PCJ

- 1 pole 3/5 A, 1 NO contact
- Sensitive coil 200 mW
- 8 mm creepage / clearance
- Version for 105°C
- WG version: Product in accordance to IEC60335-1

### Applications

**Domestic appliances** 



F0276-C

## Approvals

REG.-Nr. 122301 ÜG E58304 Technical data of approved types on request

## Contact data

Contact configuration	1 NO				
Contact set	single contact				
Type of interruption	micro disconnection				
Rated voltage / max. switching voltage AC	250 / 400 VAC				
Rated current	3 A	5 A (WG version)			
Limiting continuous current	5 A	5 A			
Maximum breaking capacity AC	750 VA	1250 VA			
Contact material	AgNi				
Rated frequency of operation with / without load	30 /	300 min <sup>-1</sup>			
Operate- / release time	max 10 / 4 ms				
Bounce time NO	max 5 ms				

### **Contact ratings**

Туре	Contact	Load	Ambient	Cycles
			temp. [°C]	-
IEC 61810				
PCJ-1D3M	NO	5 A, 250 VAC, cosφ=1	85°C	100x10 <sup>3</sup>
PCJ-1D3M	NO	2 A, 250 VAC, cosφ=0.6	85°C	100x10 <sup>3</sup>
PCJ-1D3M	NO	3 A, 250 VAC, cosφ=1	105°C	100x10 <sup>3</sup>
UL 508				
PCJ-1D3M	NO	5 A, 250 VAC, general use	85°C	6x10 <sup>3</sup>
PCJ-1D3M	NO	3 A, 250 VAC, cosφ=1	85°C	100x10 <sup>3</sup>
PCJ-1D3M	NO	3 A, 250 VAC, cosφ=1	105°C	100x10 <sup>3</sup>

Coil data		
Rated coil voltage range DC coil	324	VDC
Operative range to IEC 61810	2	
Coil insulation system according UL1446	A	F
Coll Insulation system according UL 1446	A	F

#### Coil versions, DC-coil

Coil	Rated	Operate	Release	Coil	Rated coil		
code	voltage	voltage	voltage	resistance	power		
	VDČ	VDČ	VDČ	Ohm	mW		
03	3	2.25	0.15	45±10%	200		
05	5	3.75	0.25	125±10%	200		
06	6	4.5	0.3	180±10%	200		
09	9	6.75	0.45	405±10%	200		
12	12	9	0.6	720±10%	200		
24	24	18	1.2	2880±10%	200		
All figures are given for coil without preenergization, at ambient temperature +23°C							

Other coil voltages on request

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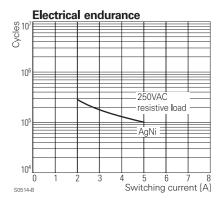
Dimensions are in mm unless otherwise specified and are shown for reference purposes only.

Product specification according to IEC 61810-1. Product data, technical parameters, test conditions and

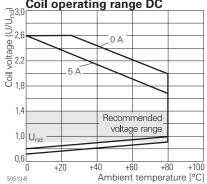
processing information only to be used together with the 'Definitions' section in the catalogue or at schrackrelays.com in the 'Schrack' section.

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Specifications subject to change.



## Coil operating range DC





# Miniature PCB Relay PCJ (Continued)

Insulation						/ <b>-</b>		
	ngth coil-contact circuit	4000 V <sub>rr</sub>				•	erminal assig	nment
Dielectric strei	open contact circuit	4000 Vm 750 Vm	ns		Dollom		solder pins	
Clearance	eepage coil-contact circuit	≥8/8n				<u>11,8</u>	5 <u>7,0</u>	
		<u> </u>				4		
Tracking index	o of insulation parts		-		4,7	-		
fracking index	k of relay base, standard version				4	-		
Inculation to IF	WG-version	PTI 250	J		1			
Insulation to IE						1,05		S=511-AA
Type C	of insulation coil-contact circuit	reinforce			-			
Deted	open contact circuit	micro disconi	lection					
	insulation voltage	250 V				A1	11 14	
	on degree	3					ρ Υ	
	voltage system	230 / 400	JV			o		
Overve	oltage category					A2		S0511-AB
Other data								
Mechanical er	ndurance	10x10 <sup>6</sup> cy	cles					
Material					Dimer	nsions		
		nt as per produc				20	),4±0.5	7.0±0.5
Resist	ance to heat and fire, WG-version	according EN603	<u>335, par</u> .3	30		- 20	<u> </u>	<mark>, ∼, ⊳</mark>
Environment								
	ent temperature range	-40+90°C (	105°C)				ď	
	ion resistance (function) NO / NC contac						3 O T O	
	resistance (function) NO / NC contact	>10 g					ц 7	2
	resistance (destruction)	>100 g						
Category of p	rotection RTII	- flux proof / RT	III - wash	i tight		Т		
Processing						0,3	0 0,18	<b>↓</b> <sup>µ</sup> <sup>∪</sup>
Resist	ance to soldering heat flux-proof version	270°C / 1						0,50
	wash-tight version	260°C/	5 s		S0512-C		- <b>&gt;  ⊲</b> <sup>0,24</sup> c	
Relay	weight	4 g						
Packa	ging unit	100 pc	S					
				10		•		
Product key	Typical product l	key PCJ	-1	12	D	3	M	-WG
Turne								
Type PCJ	Miniature PCB Relay PCJ							
Version	Williaddie FOB Heldy FOB							
1	single contact							
Coil	Single contact							
	ode: please refer to coil versions table							
Coil power D	standard 200 mW							
Contact mater								
3	AgNi							
Contact config	-						1	
M	1 NO contact (1 form A)							
Enclosure								
Blank	flux proof							
H	wash tight							
Version	0							
Blank	standard version, 3 A, class A							
WG	Product in accordance with IEC 60335-1	(domestic applia	inces). 5 /	A version on	lv. flux pro	of, class	F	
Other types on		(	,, .,		<i>,,</i> p. o	,		
Strier types Of	104000							

Product key	Version	Contacts	Contact material	Coil	Part number
PCJ-105D3M	flux proof	1 NO contact	AgNi	5 VDC	1721081-2
PCJ-109D3M		3 A	Class A	9 VDC	1721081-4
PCJ-112D3M				12 VDC	1721081-5
PCJ-124D3M				24 VDC	1721081-7
PCJ-105D3MH	wash tight			5 VDC	1721081-9
PCJ-109D3MH				9 VDC	1-1721081-1
PCJ-112D3MH				12 VDC	1-1721081-2
PCJ-124D3MH				24 VDC	1-1721081-4
PCJ-105D3M-WG	flux proof	1 NO contact	AgNi	5 VDC	1721547-2
PCJ-109D3M-WG		5 A	Class F	9 VDC	1721547-4
PCJ-112D3M-WG			WG version	12 VDC	1721547-5
PCJ-124D3M-WG				24 VDC	1721547-7

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