

Electronics

SCHRACK

Miniature Power PCB Relay PB

- 1pole 10 A, 1 CO or 1 NO contact
- **■** Environmentally-friendly cadmium-free contacts
- Class F coil system standard
- Compact and simple design gives high process security
- Versions PB1 and PB5: Product in accordance to IEC60335-1 (PB3 on request)
- RoHS compliant (Directive 2002/95/EC) as per product date code 0346



F0224-A

Applications

AgNi CO

White goods, small home appliances, heating temperature controllers

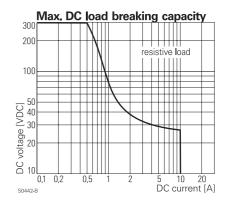
Approvals
REGNr. 121560, c \$\) us E214025
Technical data of approved types on request

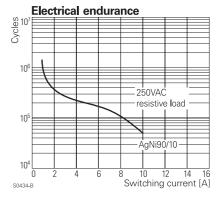
Contact data	
Contact configuration	1 CO or 1 NO contact
Contact set	single contact
Type of interruption	micro-disconnection
Rated current	10 A
Rated voltage / max.switching voltage AC	240/400 VAC
Maximum breaking capacity AC	2500 VA
Limiting making capacity, max 4 s, duty factor 10%	15 A
Contact material	AgNi 90/10, AgSnO2
Mechanical endurance	5x10 ⁶ cycles
Rated frequency of operation with / without load	6/600 min ⁻¹

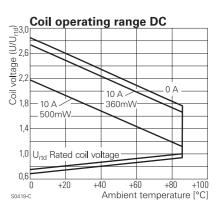
Rated frequency of operation with / without load **Contact ratings** Туре Load Cycles 10 A, 250 VAC, 85°C, resistive, 50Hz, EN61810 10 A, 250 VAC, 85°C, resistive, 50Hz, EN61810 6 A, 250 VAC, 85°C, resistive, 50Hz, EN61810 <u>AgNi</u> NO 20x10³ AgSnO NO 40x10³ 100x10³ AgNi NO 10 A/3 A, 250 VAC, 85°C, resistive, 50Hz, EN61810 (NO tested), 10 A, 250 VAC, 85°C, resistive, 50Hz, EN61810 AgNi CO 30x10³ AgNi CO 30x10³

10 A/10 A, 250 VAC, 85°C, resistive, 50Hz, EN61810

Coil dat	а		PB sta	ndard PB 5	00 mW			
Rated coil voltage range DC coil			548	VDC 52	524 VDC			
Coil power DC coil			typ. 36	0 mW typ. 5	typ. 500 mW			
Operative	e range			2				
Non-release voltage, % of rated coil voltage			age	50%				
Coil vers	ions, DC-coil							
Coil	Rated	Operate	Release	Coil	Rated coil			
code	voltage	voltage	voltage	resistance	power			
	VDČ	VDČ	VDC	Ohm	mW			
Coil vers	ions, DC-coil,	360mW						
005	5	3.75	0.5	70±10%	357			
006	6	4.5	0.6	100±10%	360			
009	9	6.75	0.9	225±10%	360			
012	12	9.0	1.2	400±10%	360			
018	18	13.5	1.8	900±10%	360			
022	22	16.5	2.2	1344±10%	360			
024	24	18.0	2.4	1600±10%	360			
048	48	36	4.8	6400±10%	360			
Coil versions, DC-coil, 500mW								
005	5	3. 75	0.5	48±10%	521			
006	6	4.5	0.6	69±10%	522			
012	12	9	1.2	274±10%	526			
024	24	18	2.4	1097±10%	525			
All figures are given for coil without preenergization, at ambient temperature +23°C								







Other coil voltages on request

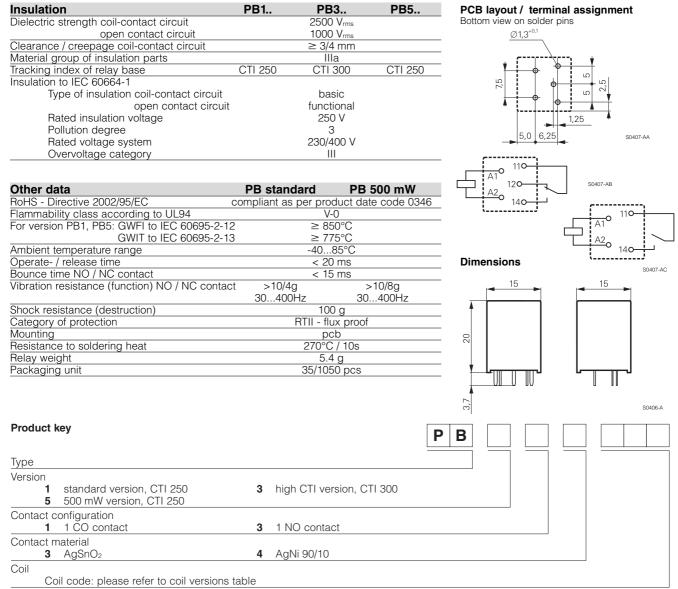
1x10³





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Miniature Power PCB Relay PB (Continued)



Other types on request

Product key	Version	Contacts	Contact material	Coil	Part number
PB114005	standard	1 CO contact	AgNi 90/10	5 VDC	6-1415029-1
PB114006	CTI 250/class F			6 VDC	7-1415029-1
PB114012				12 VDC	8-1415029-1
PB114024				24 VDC	9-1415029-1
PB134005		1 NO contact		5 VDC	0-1415030-1
PB134006				6 VDC	1-1415030-1
PB134012				12 VDC	2-1415030-1
PB134024				24 VDC	3-1415030-1
PB314005	high CTI version	1 CO contact		5 VDC	4-1415030-1
PB314006	CTI 300			6 VDC	5-1415030-1
PB314012				12 VDC	6-1415030-1
PB314024				24 VDC	7-1415030-1
PB334005		1 NO contact		5 VDC	8-1415030-1
PB334006				6 VDC	9-1415030-1
PB334012				12 VDC	0-1415031-1
PB334024				24 VDC	1-1415031-1