

## **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**

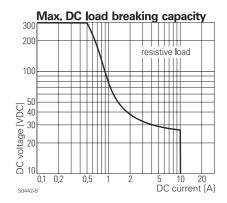
White goods, small home appliances, heating temperature controllers

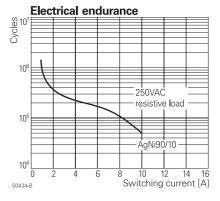
Approvals
REGNr. 121560, <b>c % us</b> E214025
Technical data of approved types on request

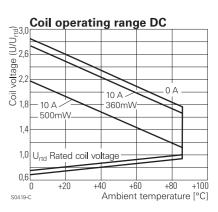
Contact data				
Contact configuration	1 CO or 1 NO contact			
Contact set	single contact			
Type of interruption	micro-disconnection			
Rated current	10 A			
Rated voltage / max.switching voltage AC	240/400 VAC			
Maximum breaking capacity AC	2500 VA			
Limiting making capacity, max 4 s, duty factor 10%	15 A			
Contact material	AgNi 90/10, AgSnO <sub>2</sub>			
Mechanical endurance	5x10 <sup>6</sup> cycles			
Rated frequency of operation with / without load	6/600 min-1			

Rated frequ	ency of operation with / without load	6/600 min <sup>-1</sup>	
Contact rat	ings		
Туре	Load		Cycles
AgNi NO	10 A, 250 VAC, 85°C, resistive, 50Hz, EN61810		20x10 <sup>3</sup>
AgSnO NO	10 A, 250 VAC, 85°C, resistive, 50Hz, EN61810		40x10 <sup>3</sup>
AgNi NO	6 A, 250 VAC, 85°C, resistive, 50Hz, EN61810		100x10 <sup>3</sup>
AgNi CO	10 A/3 A, 250 VAC, 85°C, resistive, 50Hz, EN618	10	30x10 <sup>3</sup>
AgNi CO	(NO tested), 10 A, 250 VAC, 85°C, resistive, 50Hz	z, EN61810	30x10 <sup>3</sup>
AgNi CO	10 A/10 A, 250 VAC, 85°C, resistive, 50Hz, EN618	310	1x10 <sup>3</sup>

Coil data			PB standard PB 500 mW		
Rated coil voltage range DC coil			548	VDC 5	24 VDC
Coil power DC coil		typ. 36	60 mW typ	typ. 500 mW	
Operative range				2	
Non-relea	ase voltage, %	of rated coil voltage	9	50%	
Coil vers	ions, DC-coil				
Coil	Rated	Operate	Release	Coil	Rated coil
code	voltage	voltage	voltage	resistance	power
	VDČ	VDČ	VDČ	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 vers	ions, 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	s are given for	coil without preener	gization, at a	mbient temperatur	e +23°C







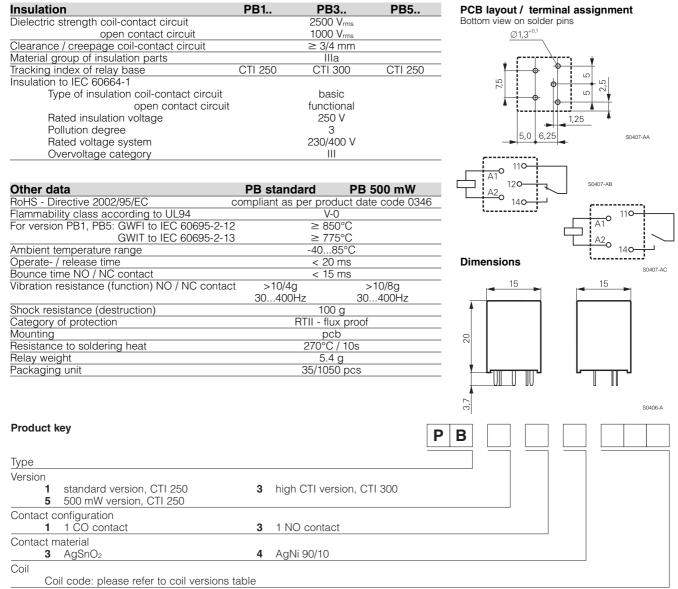
Other coil voltages on request





## **Electronics**

## 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