

Power PCB Relay U/UB

- 1 pole 7 A, mono or bistable
- 1 CO or 1 NO or 1 NC contact
- Bistable and DC-version
- Wash tight version
- Version for 10 A on request
- RoHS compliant (Directive 2002/95/EC) as per product date code 0402

Applications

Heating control, installation, battery powered equipment



PCB2-8

Approvals

CE E194065

Technical data of approved types on request

Contact data

Contact configuration	1 CO, 1 NO or 1 NC
Contact set	single contact
Type of interruption	micro disconnection
Rated current	standard and bistable: 7 A sensitive: 5 A
Rated voltage / max.switching voltage AC	240/400 V
Maximum breaking capacity AC	standard and bistable: 1750 VA sensitive: 1250 VA
Limiting making capacity, max 4 s, duty factor 10%	12 A
Contact material	AgNi 90/10
Mechanical endurance	20x10 ⁴ cycles
Rated frequency of operation with / without load	10/300 min ⁻¹

Contact ratings

Type	Load	Cycles
standard and bistable	7 A, 250 VAC, resistive	5x10 ⁴
standard	5 A, 250 VAC, resistive	1,5x10 ⁵
sensitive	5 A, 250 VAC, resistive	1x10 ⁵
bistable	5 A, 250 VAC, resistive	1x10 ⁵
standard and bistable	7 A, 24 VDC, resistive	5x10 ⁴
sensitive	5 A, 24 VDC, resistive	3x10 ⁴

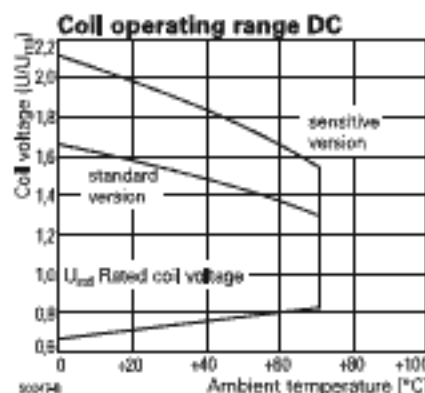
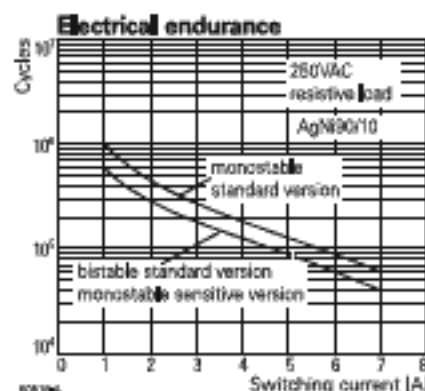
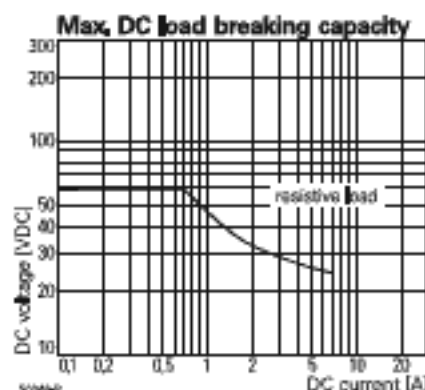
Coil data

		monostable	sensitive
Rated coil voltage range DC coil		6 ... 48 VDC	
Coil power DC coil	3...24 VDC	450 mW	330 mW
	48 VDC	610 mW	570 mW
Operative range		2	

Coil versions, DC-coil

Coil code	Rated voltage VDC	Operate voltage VDC	Release voltage VDC	Coil resistance Ohm	Rated coil power mW
standard coil					
003	6	4.2	0.6	80±10%	450
005	12	8.4	1.2	320±10%	450
007	24	16.8	2.4	1280±10%	450
008	48	33.6	4.8	3800±10%	606
sensitive coil					
103	6	4.4	0.6	110±10%	327
105	12	8.8	1.2	440±10%	327
107	24	17.5	2.4	1780±10%	324
108	48	35.0	4.8	4000±10%	576

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



Power PCB Relay U/UB (Continued)

Product key

V	2	3	1	4	8	-					-	1	0	1
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Type

Version

- A** monostable (Miniature power relay U)
B bistable (Miniature power relay UB, remanence version)

Dielectric strength coil-contact

- 0** 2 kV_{rms} **1** 4 kV_{rms}

Version

- 0** monostable standard **0** bistable standard
1 sensitive

Coil

- 03** 6 VDC **07** 24 VDC
05 12 VDC **08** 48 VDC

Contact configuration

- A** 1 CO contact **C** 1 NC contact
B 1 NO contact

Contact material

- 101** AgNi10

Other types on request

Product key	Version	Dielectric	Version	Configuration	Coil	Part number
V23148-A0003-A101	monostable relay 'U' AgNi10	2000 V _{rms} contact-coil	standard	1 CO contact	6 VDC	0-1393203-4
V23148-A0003-B101				1 NO contact		0-1393203-5
V23148-A0005-A101				1 CO contact	12 VDC	0-1393203-8
V23148-A0005-B101				1 NO contact		0-1393203-9
V23148-A0007-A101				1 CO contact	24 VDC	1-1393203-1
V23148-A0007-B101				1 NO contact		1-1393203-2
V23148-A0008-A101			sensitive	1 CO contact	48 VDC	1-1393203-4
V23148-A0105-A101					12 VDC	2-1393203-1
V23148-A0107-A101					24 VDC	2-1393203-4
V23148-A1005-A101		4000 V _{rms} contact-coil			12 VDC	2-1393203-7
V23148-A1007-A101		standard		24 VDC	2-1393203-8	
V23148-A1105-A101			sensitive		12 VDC	2-1393203-9
V23148-A1107-A101				24 VDC	3-1393203-1	
V23148-B0003-A101	bistable relay 'UB' AgNi10	2000 V _{rms} contact-coil	standard		6 VDC	0-1393204-4
V23148-B0005-A101					12 VDC	0-1393204-7
V23148-B0007-A101					24 VDC	1-1393204-0
V23148-B0008-A101					48 VDC	1-1393204-3