

Miniature Power PCB Relay MSR

- 1 pole 8 / 10 A, 1CO or 1NO contact
- High inrush currents with AgSnO contacts (TV4 = 65 A)
- 4 kV/8 mm coil-contact
- Reinforced insulation (protection class II)
- Ambient temperature up to 85°C at 8 A
- Plastic materials according to IEC60335-1 (domestic appliances)
- RoHS compliant (Directive 2002 / 95 / EC) as per product date code 0404



F0143-C

Applications

HVAC, interface technology, power supplies, TV-/Monitor control, computer-/communication technology, domestic appliances, Hi-Fi products, timers

Approvals

VDE REG.-Nr. 3919, **UL** us E214024
 Technical data of approved types on request

Contact data

Contact configuration	1CO or 1NO	
Contact set	single contact	
Type of interruption	micro disconnection	
Rated current	versions A,B:	8 A
	versions C,D:	10 A
Rated voltage / max.switching voltage AC	240/400 VAC	
Maximum breaking capacity AC	2000 VA	
Limiting making capacity, max 20 ms	A302: 65 A	
max 4 s, duty factor 10%	15 A	15 A
Contact material	AgSnO ₂ , AgCdO	AgNi0,15*
Mechanical endurance	10x10 ⁶ cycles	
Rated frequency of operation with / without load	6 / 1200 min ⁻¹	

*not recommended for AC loads with arcing (CC2 according EN61810-2)

Contact ratings

Type	Load	Cycles
V23061-A1***-A302	8 A, 250 VAC, resistive load, 85°C, 1 mm mounting distance, 6 cycles min ⁻¹ , 50% duty factor, EN61810-1	100x10 ³
V23061-C2***-A302	10 A, 250 VAC, resistive load, 85°C, 0 mm mounting distance, 6 cycles min ⁻¹ , 50% duty factor, EN61810-1	10x10 ³
V23061-C2***-A302	5 A, 250 VAC, resistive load, 105°C, 0 mm mounting distance, 6 cycles min ⁻¹ , 50% duty factor, EN61810-1	100x10 ³
V23061-A1***-A302	TV-4 Tungsten, 120 VAC, UL508	25x10 ³
V23061-*****-A30*,	240 VAC, A300, Pilot duty, UL508	6x10 ³

Coil data

Rated coil voltage range DC coil	3...60 VDC
Coil power DC coil	typ. 220 mW
Operative range	2
Coil insulation system according UL1446	Class A, Class F

Coil versions, DC-coil

Coil code	Rated voltage VDC	Operate voltage VDC	Release voltage VDC	Coil resistance Ohm	Rated coil power mW
001	3	2.1	0.3	40±10%	225
002	5	3.4	0.5	118±10%	212
003	6	4.1	0.6	165±10%	218
004	9	6.1	0.9	364±10%	223
005	12	8.2	1.2	652±10%	221
007	24	16.3	2.4	2270±10%	254
009	48	32.6	4.8	8790±10%	262
010	60	40.8	6.0	15265±15%	236

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

