

Latching / bistable

BD

Heavy duty latching, magnetic 10 A, 3 C/O + 1 N/C

Heavy duty applications, switching of AC & DC voltages, resistive and inductive loads.

- Plug-in
- 3 C/O + 1 N/C contacts
- DC and AC coil
- Cadmium free contacts
- Puls activated resolving in less heat dissipation and energy consumption
- Continuous coil energization permitted

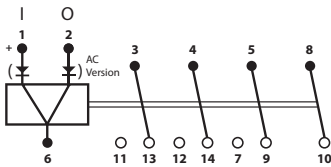
Standards

- EN 60255
- EN 60947
- EN 60947-5-1
- IEC 61810

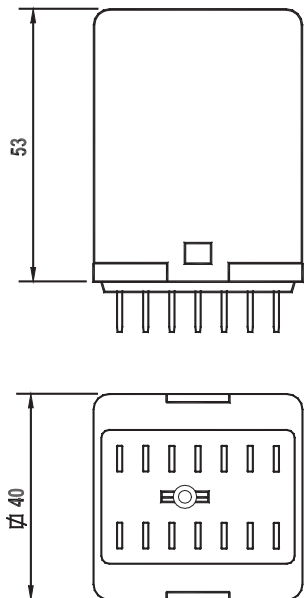
Pin arrangement Smitt-style



Connection diagram



Dimensions



Contact specifications

Contact material	Ag
Number & configuration	3 C/O + 1 N/C
Rated continuous current	10 A
Breaking capacity AC1	10 A / 230 V
Breaking capacity DC1	1 A / 110 V
Max. make current	16 A
Max. switching voltage	250 VDC / 440 VAC
Min. switched voltage	12 V
Min. switched current	10 mA (Au, 1 μV, 1 μA)

Coil specifications

Nominal voltage (U _n DC)	12, 24, 48, 72, 110, 125, 220, 250 VDC
Nominal voltage (U _n AC)	12, 24, 48, 72, 100, 120, 230, 350, 380 VAC
Power consumption (DC / AC)	1.7 W / 4 VA
Operating range	0.85 ... 1.1 U _n (0.7...1.25 U _n option V)

Technical data

Mechanical life cycles	10 x 10 ⁶
Dielectric strength, coil-contact	2000 VAC
Dielectric strength contacts	4000 VAC
Isolation class	C 380
Pull-in time DC/AC	≤ 25 / 50 ms
Ambient temperature	-25 °C...+55 °C
Humidity	95% / 40 °C
Salt mist	5% NaCl, 35 °C for 4 days
Weight	135 g
Dimensions	40 x 40 x 53 mm
Protection category	IP40

Options

Remarks

See page 14

Other voltages on request

≥ 25 ms energization needed to set or reset the relay

Coil can be permanently energised

Standard types

- BD 24 VDC
- BD 48 VDC
- BD 110 VDC
- BD 24 VAC
- BD 220 - 240 VAC

For more types check your local sales office