

Latching / bistable

BD-B

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
- Magnetic arc blowout (option B, standard)

Pin arrangement
Smitt-style



Contact specifications

Contact material
Number & configuration
Rated continuous current
Breaking capacity AC1
Breaking capacity DC1
Max. make current
Max. switching voltage
Min. switched voltage
Min. switched current

Ag
3 C/O + 1 N/C
10 A
10 A / 230 V
7 A / 110 V
16 A
250 VDC / 440 VAC
12 V
10 mA (Au, 1 μ V, 1 μ A)

Coil specifications

Nominal voltage (U_n DC)
Nominal voltage (U_n AC)
Power consumption (DC / AC)
Operating range

12, 24, 48, 72, 110, 125, 220, 250 VDC
12, 24, 48, 72, 100, 120, 230, 350, 380 VAC
1.7 W / 4 VA
0.85 ... 1.1 U_n (0.7...1.25 U_n option V)

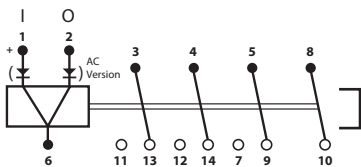
Technical data

Mechanical life cycles (AC/DC)
Dielectric strength, coil-contact
Dielectric strength contacts
Isolation class
Pull-in time DC/AC
Ambient temperature
Humidity
Salt mist
Weight
Dimensions
Protection category

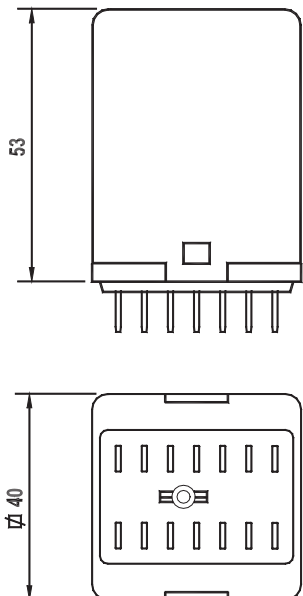
10 x 10⁶
2000 VAC
4000 VAC
C 380
 $\leq 25 / 50$ ms
-25 °C...+55 °C
95% / 40 °C
5% NaCl, 35 °C for 4 days
175 g
40 x 40 x 53 mm
IP40

Options
Remarks

See page 14
Other voltages on request
 ≥ 25 ms energization needed to set or reset the relay
Coil can be permanently energised



Dimensions



Standard types

BD-B 24 VDC
BD-B 48 VDC
BD-B 110 VDC
BD-B 125 VDC

For more types check your local sales office