

Instantaneous

D-YB

High DC breaking capacity (8 A, DC1) 10 A, 2 DM/DB



2 contacts in series. Heavy duty applications, switching of AC & DC voltages, resistive and inductive loads. Very high DC breaking capacity, long contact life.

- Plug in
- 2 Double make / double break contacts
- DC (with back EMF diode) and AC coil
- Flash barriers
- LED indicator (option L, standard)
- Cadmium free contacts
- 'Smitt-style' pinning with integrated retaining silver plated clip
- Magnetic arc blow-out (option B, standard)
- Double make / double break (option Y, standard)

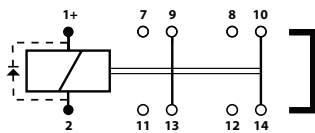
Standards

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

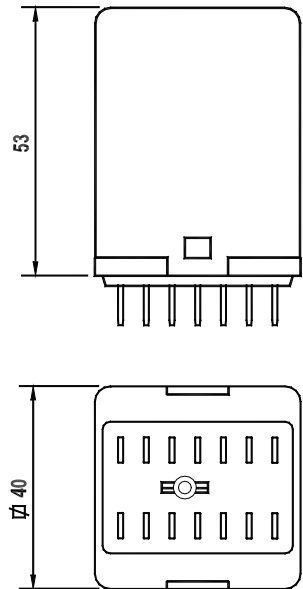
Pin arrangement Smitt-style



Connection diagram



Dimensions



Contact specifications

Contact material	Ag
Number & configuration	2 C/O, DM-DB
Rated continuous current	10 A
Breaking capacity AC1	10 A / 230 V
Breaking capacity DC1	8 A / 110 V
Max. make current	16 A
Max. switching voltage	350 VDC
Min. switched voltage	12 V
Min. switched current	10 mA (Au, 1μV, 1μA)
Peak inrush current	200 A (withstand ≥ 10 x 200 A @ 10 ms, 1 m)

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 (AC / DC)	2 VA / 2 W
Operating range	0.8 ... 1.1 U_n (0.7...1.25 U_n option V)

Technical data

Mechanical life cycles (AC/DC)	10 x 10 ⁶ / 50 x 10 ⁶
Dielectric strength, coil-contact	2500 VAC
Dielectric strength contacts	4000 VAC
Isolation class	C 380
Pull-in time DC/AC	≤ 20 / 10 ms
Release time DC/AC	18 / 5 ms
Ambient temperature	-25 °C...+55 °C
Humidity	95% / 40 °C
Salt mist	5% NaCl, 35 °C for 4 days
Weight	140 g
Dimensions	40 x 40 x 53 mm
Protection category	IP40

Options Remarks

See page 14
Standard AC coil is 50 Hz. 60 Hz coil on request
Other voltages on request

Most common types

D-YB 24 VDC	330219873
D-YB 48 VDC	330219870
D-YB 110 VDC	330219874
D-YB 230 VAC 50 Hz	330219872

See ordering scheme page 84
For more types check your local sales office

See page 65 for sockets & accessories