

D-BYX5

Very high DC breaking capacity (12 A, DC1) 10 A, 2 DM/DB



2 contacts in series. Heavy duty applications, switching of AC & DC voltages, resistive and inductive loads.

- Plug-in
- 1 double make / double break contact (option Y, standard)
- DC (with back EMF diode) and AC coil
- Flash barriers
- LED indicator
- Cadmium free contacts
- Magnetic arc blow-out (option B, standard)
- Contact gap 4 mm (option X5, standard)

Standards

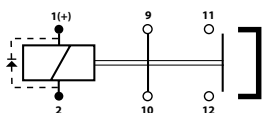
EN 60255
EN 60947
EN 60947-5-1
IEC 61810
CE

Pin arrangement

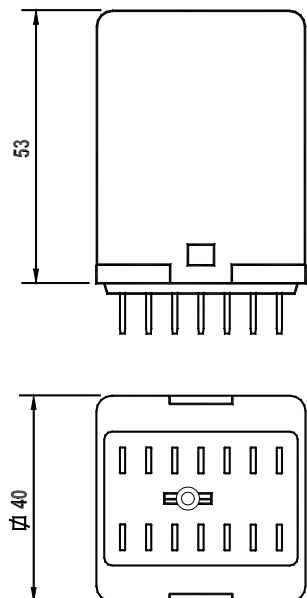
Smitt-style



Connection diagram



Dimensions



Contact specifications

Contact material	Ag
Number & configuration	1 Double make / double break contact
Rated continuous current	10 A
Breaking capacity AC1	10 A / 230 V
Breaking capacity DC1	12 A / 110 V
Max. make current	16 A
Max. switching voltage	350 VDC / 440 VAC
Min. switched voltage	12 V
Min. switched current	10 mA (Au, 1 μV, 1 μA)
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 / 30 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

See page 14

Remarks

Standard AC coil is 50 Hz, 60 Hz coil on request
Other voltages on request

Most common types

D-YBX5 24 VDC	-
D-YBX5 48 VDC	-
D-YBX5 110 VDC	-
D-YBX5 220 VDC	330215962
D-YBX5 24 VAC	-

For more types check your local sales office