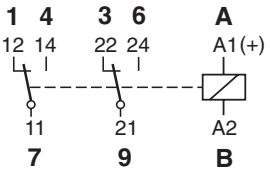
RELECO by TURCK



C5-A20

CE

General purpose
Two change-over contacts

16 A 400 V AC1 0.5 A 110 V DC1
16 A 30 V DC1 0.2 A 220 V DC1

Contacts

Materials: Standard, code 0	AgNi
Max. switching current	16 A
Max. peak inrush current (20 ms)	40 A
Max. switching voltage	400 V
Max. AC load (Table 1)	4 KVA
Max. DC load	See Table 2

Coils (Ohms ±10% @ 20ºC)

Pull-in voltage	≤0.8 x **Un**
Drop-out voltage	≥0.1 x **Un**
Nominal coil power	2.4 VA (AC) / 1.4 W (DC)

VAC	Ω	mA	VDC	Ω	mA
24	65	100	24	414	58
48	286	50	48	1K6	30
115	1K7	21	110	8K1	13
400	18K8	6	220	34K5	6

Insulation

Dielectric strength (1 minute): Open contacts	1000 V
Between adjacent poles	4 KV
Between contacts and coil	4 KV
Isolation resistance at 500 V	≥3 GΩ
Isolation, IEC 61810-5:	4 KV / 3

Specifications

Operate time + bounce time	20 ms
Release time + bounce time	10 ms
Ambient temperature	-40ºC (no ice) to +70ºC
Mechanical life ops.	10 Mill. AC, 20 Mill. DC relays
Electrical life at nominal load	≥100,000 ops.
Operating frequency at nominal load	1200 / hour
Protection degree	IP 40 / RT1
Weight avg.	90 g

Standard Types

AC 50 Hz, (60 Hz): 24, 48, 115, (120)**, 230,** (240)**, 400**

X = **LED** (standard)	**C5-A20X ..... VAC**
RC suppressor	**C5-A20R ..... VAC**

DC 24, 48, 110, 220

X = LED, no polarity (standard)	**C5-A20X .....VDC**
Free-wheleing diode	**C3-A20DX ....VDC**
Polarity and free-wheeling diodes	**C5-A20FX ....VDC**
AC/DC bridge rectifier (24 or 48 V)	**C5-A20BX ....VDC**

Table 1 Electrical Life, ops. x 10^6

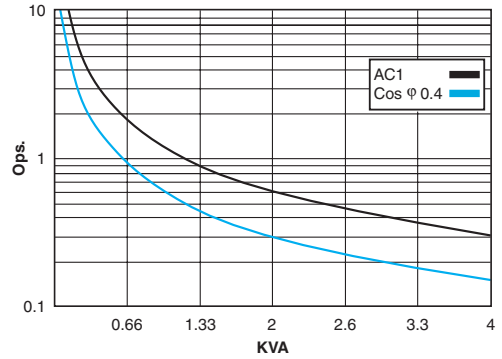
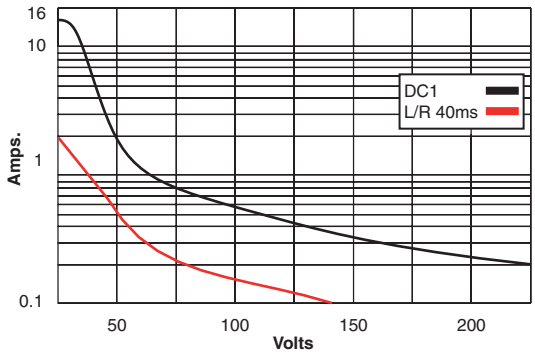
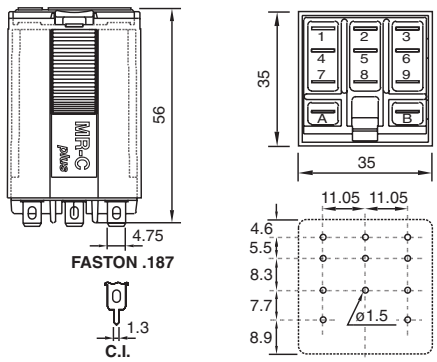


Table 2 Max. DC Load



Dimensions - mm



IEC 61810 EN 60947