



**Relay compatible
with sockets:**
S2-B, S2-S, S2-L, S2-PO

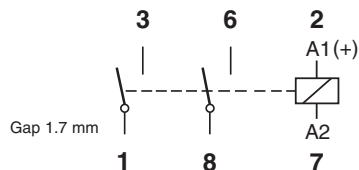


Table 1 Electrical Life, ops. x 10⁶

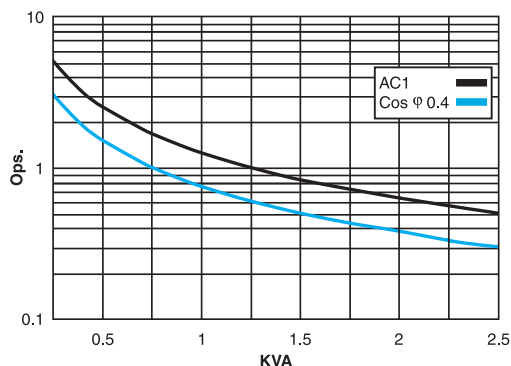
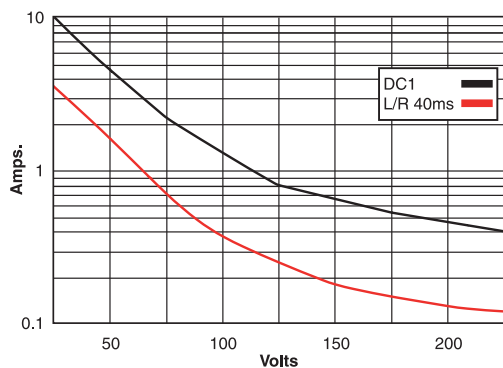
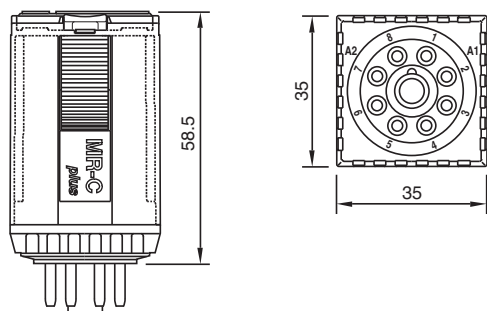


Table 2 Max. DC Load



Dimensions - mm



C2-G20



General purpose, DC applications
Two pole open contacts

10 A 250 V AC1 1.2 A 110 V DC1
10 A 30 V DC1 0.4 A 220 V DC1

Contacts

Materials: Standard, code 0 AgNi
Max. switching current 10 A
Max. peak inrush current (20 ms) 30 A
Max. switching voltage 250 V
Max. AC load (Table 1) 2.5 KVA
Max. DC load (Table 2)

Coils (Ohms ±10% @ 20°C)

Pull-in voltage ≤0.8 x U_n
Drop-out voltage ≥0.1 x U_n
Nominal coil power 2.4 VA (AC)/1.6 W (DC)

VAC	Ω	mA	VDC	Ω	mA
24	65	100	24	360	66
48	286	50	48	1K4	34
115	1K7	21	110	7K6	15
230	6K8	10	220	30K3	7.5

Insulation

Dielectric strength (1 minute): Open contacts 2,000 V
Between adjacent poles 2.5 KV
Between contacts and coil 2.5 KV
Isolation resistance at 500 V ≥1 GΩ
Isolation, EN 61810-5: 2.5 KV / 3

Specifications

Operate time + bounce time 20 ms
Release time + bounce time 10 ms
Ambient temperature -40°C (no ice) to +70°C
Mechanical life ops. 10 Mill. AC, 20 Mill. DC relays
Electrical life at nominal load ≥100,000 ops.
Operating frequency at nominal load 1,200/hour
Protection degree IP 40/RT1
Weight avg. 90 g

Standard Types

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

X = LED (standard)

RC suppressor

C2-G20X.....VAC

C2-G20RVAC

DC 24, 48, 110, 220

X = LED, no polarity (standard)

Free-wheeling diode

Polarity and free-wheeling diodes

AC/DC bridge rectifier (24, 48 or 60 V)

C2-G20X.....VDC

C2-G20DXVDC

C2-G20FXVDC

C2-G20BXVDC



IEC 61810 EN 60947