

**Relay compatible
with sockets:**

S9-M, S9-L, S9-P, S9-PO

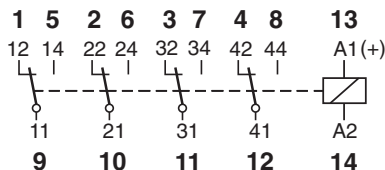


Table 1 Electrical Life, ops. x 10⁶

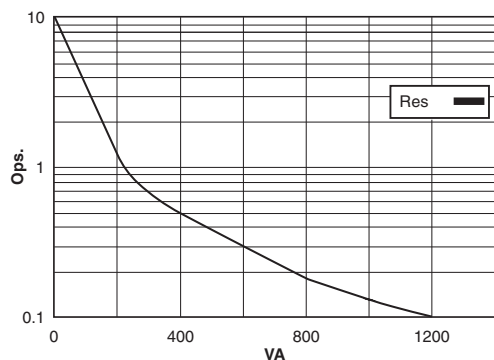
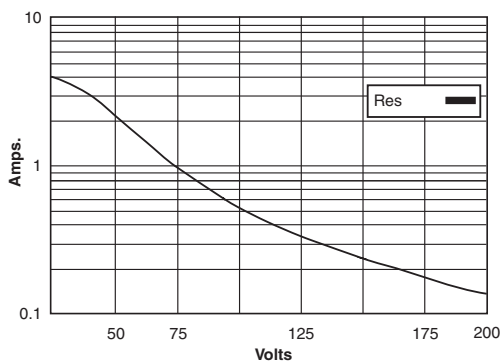
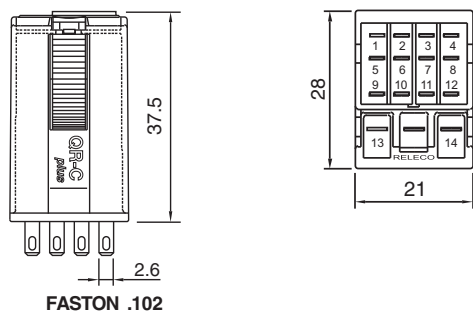


Table 2 Max. DC Load



Dimensions - mm



C9-A41



General purpose
Four pole, change-over contacts

5 A 250 V AC1
5 A 30 V DC1 0.2 A 110 V DC1

Contacts

Materials: Standard, code 1 AgNi + 0.2μAu
Optional, code 2 AgNi + 10μAu
Max. switching current 5 A
Max. peak inrush current (2.5 ms) 15 A
Max. switching voltage 250 V
Max. AC load (Table 1) 1250 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 1.2 VA (AC)/1 W (DC)

VAC	Ω	mA	VDC	Ω	mA
24	174	50	12	148	85
48	686	25	24	594	43
115	4K3	10.4	48	2K3	21
230	18K6	5.2	110	11K4	11

Insulation

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

Specifications

Operate time + bounce time 10 ms
Release time + bounce time 6 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. 43 g

Standard Types

AC 50 Hz, (60 Hz): 24, 48, 72, 115, (120), 230, (240)

X = LED (standard)

C9-A41X..... VAC

DC 12, 24, 48, 72, 110

X = LED, no polarity (standard)

C9-A41X..... VDC

Free-wheeling diode

C9-A41DX VDC

Polarity and free-wheeling diodes

C9-A41FX..... VDC

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

C9-A41BX VDC