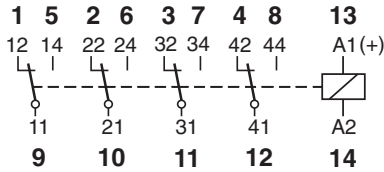
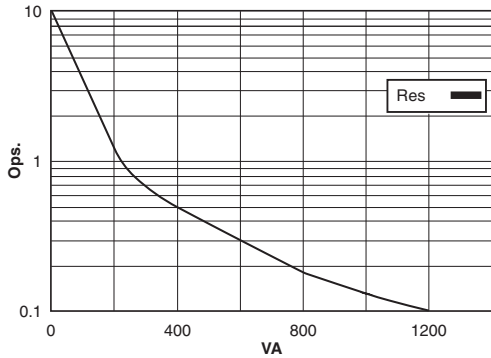


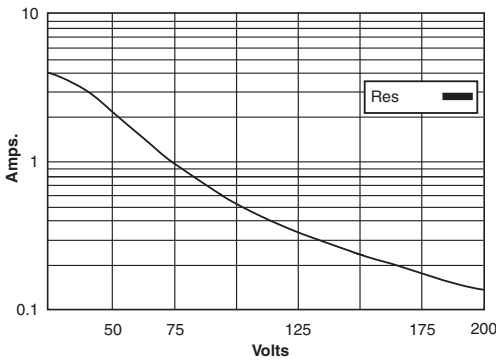
**Relay compatible with sockets:**  
S9-M, S9-L, S9-P, S9-PO



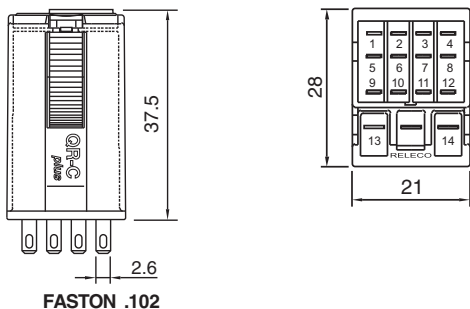
**Table 1** Electrical Life, ops. x 10<sup>6</sup>



**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<sub>n</sub>  
Drop-out voltage ≥0.1 x U<sub>n</sub>  
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**

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