

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

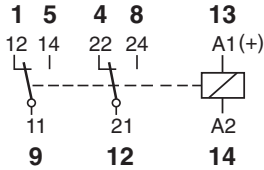


Table 1 Electrical Life, ops. x 10⁶

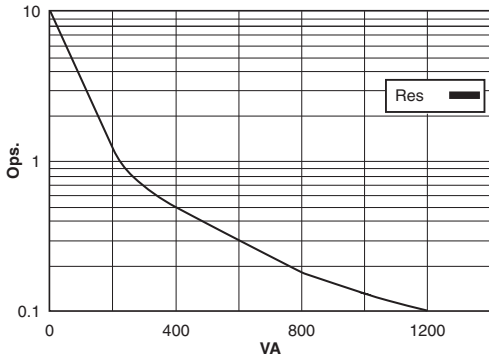
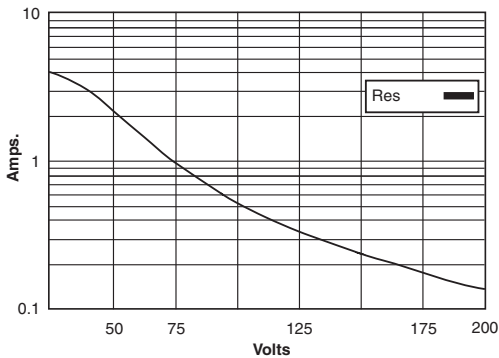
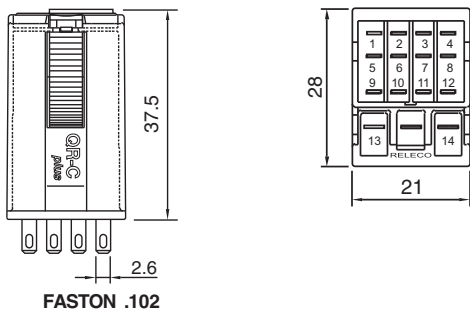


Table 2 Max. DC Load



Dimensions - mm



C9-E21



General purpose. Sensitive 500 mW
Two pole, change-over contacts
DC operating range: 0.8-1.7 x U_n

5 A 250 V AC1 5 A 30 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)		1,200 VA
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	0.8 VA (AC)/0.5 W (DC)

VAC	Ω	mA	VDC	Ω	mA
24	238	33	12	288	42
48	1K	17	24	1K1	21
115	5K9	7	48	4K6	10
230	23K9	3.5	110	24K2	4.5

Insulation

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

Specifications

Operate time + bounce time	10 ms
Release time + bounce time	6 ms
Ambient temperature	-40°C (no ice) to +60°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.	40 g

Standard Types

AC 50 Hz, (60 Hz): **24, 48, 115, (120), 230, (240)**
X = LED (standard) **C9-E21X.....VAC**

DC **12, 24, 48, 110**
X = LED, no polarity (standard) **C9-E21X.....VDC**
Free-wheeling diode **C9-E21DX....VDC**
Polarity and free-wheeling diodes **C9-E21FX.....VDC**
AC/DC bridge rectifier (24, 48 or 60 V) **C9-E21BX....VDC**