

C9-R21

Magnetic latching relay
Two change-over contacts, 5 A

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

Contacts

Materials: Standard, code 1 AgNi + 0.2μAu
Max. switching current 5 A
Max. peak inrush current (10 ms) 15 A
Max. switching voltage 250 V
Max. AC load (Table 1) 1200 KVA
Max. DC load See Table 2

Table 1 Electrical Life, ops. x 10⁶

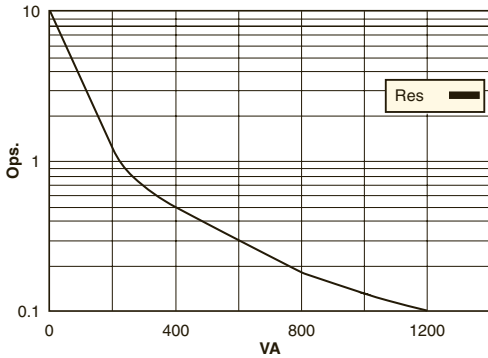
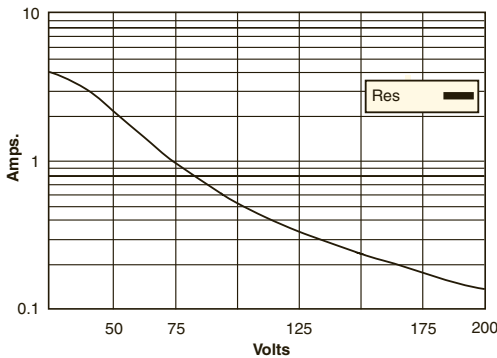
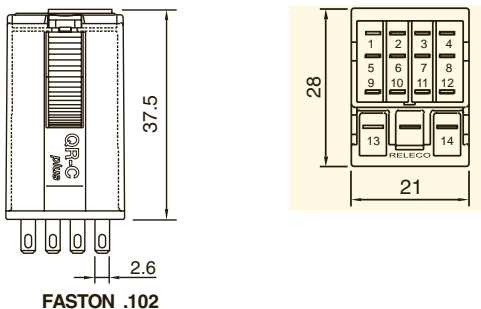


Table 2 Max. DC Load



Dimensions - mm



Coils

ON pulse power 1.2 VA / W
OFF pulse power 0.3 VA / W
One winding for AC. Two windings for DC.

VAC	ON mA	OFF mA	VDC	ON mA	OFF mA
24	50	8	12	100	25
48	25	4	24	50	12
115	10	2	48	25	6
230	5	1	60	20	5

Insulation

Dielectric strength (1 minute): Open contacts 1000 V
Between adjacent poles 2 KV
Between contacts and coil 2 KV
Isolation resistance at 500 V ≥3 GΩ
Isolation, IEC 61810-5: 2.5 KV / 3

Specifications

Minimum pulse length for ON / OFF. 50 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 1200 / hour
Protection degree IP 40 / RT1
Weight avg. 43 g

Standard Types

AC 50 Hz, (60 Hz): 24, 48, 115, (120), 230, (240)
C9-R21 VAC
DC 12, 24, 48, 60
C9-R21 VDC



IEC 61810 EN 60947