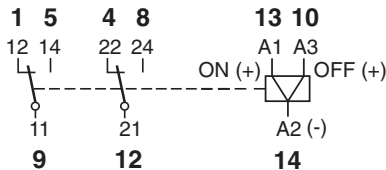


**Relay compatible with sockets:**  
S9-M, S9-L, S9-P, S9-PO



# C9-R21



Magnetic latching relay  
Two change-over contacts, 5 A

**5 A 120 V AC1**  
**5 A 30 V DC1**

### Contacts

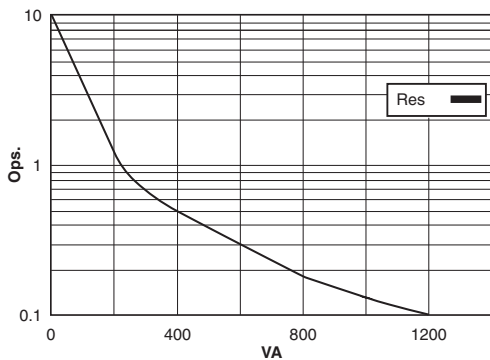
Materials: Standard, code 1 AgNi + 0.2μAu  
 Max. switching current 5 A  
 Max. peak inrush current (10 ms) 15 A  
 Max. switching voltage 250 V  
 Max. AC load (Table 1) 1,200 KVA  
 Max. DC load (Table 2)

### Coils

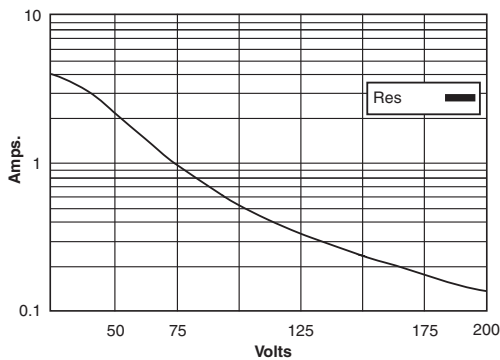
ON pulse power 1.2 VA/W  
 OFF pulse power 0.3 VA/W  
 One winding for AC. Two windings for DC.

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

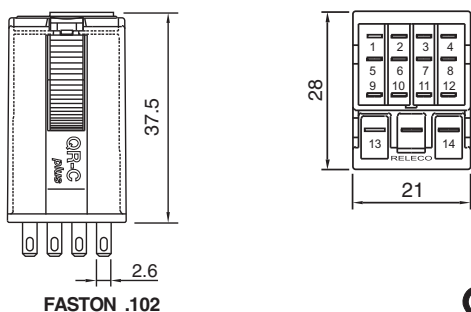
**Table 1** Electrical Life, ops. x 10<sup>6</sup>



**Table 2** Max. DC Load



### Dimensions - mm



### Insulation

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

### 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 1,200/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**