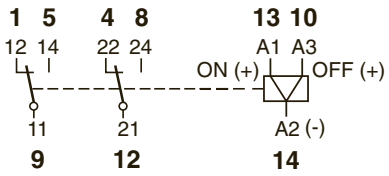
RELECO by TURCK





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

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

Minimun, pulse length for ON / OFF.	50 ms
Ambient temperature	-40ºC (no ice) to +70ºC
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

Table 1 Electrical Life, ops. x 10^6

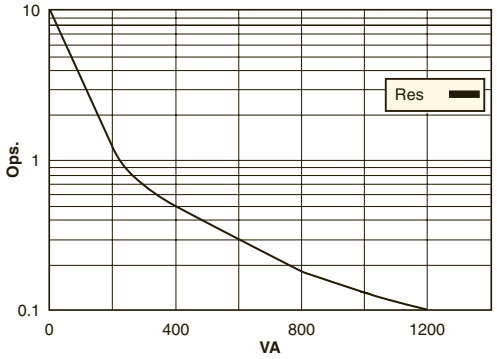
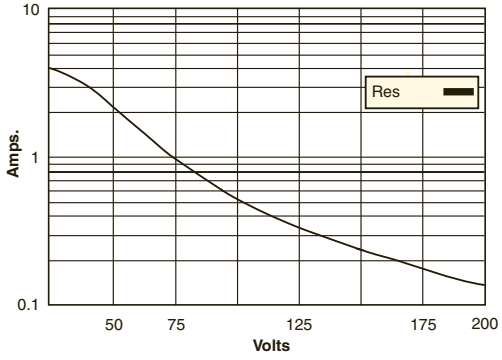
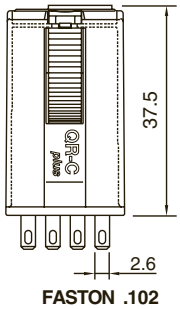
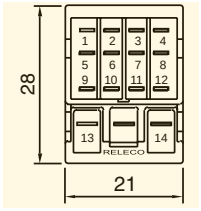


Table 2 Max. DC Load



Dimensions - mm





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

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