



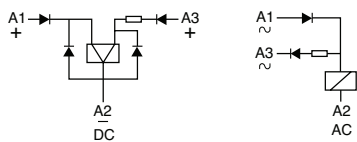
Type	C9-R2x/ ... V Magnetic latching relay 2 change-over contacts		
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Maximum contact load	5 A/120V AC-1	5 A/30 V DC-1
Recommended minimum contact load	10 mA/10 V	

Contacts			
Material	Standard	Code 1	AgNi + 0,2 μ Au
Rated current	5 A		
Switch-on current max. (20 ms)	15 A		
Switching voltage max.	120V		
AC load	600 VA		
DC load	see Fig. 2		

Coil	
Coil resistance	see table; tolerance ± 10 %
ON pulse power	1,2 VA/W
OFF pulse power	0,3 VA/W
1 winding for AC, 2 winding for DC	

Internal Diagram:



Coil table

VAC	mA ON	mA OFF	VDC	mA ON	mA OFF
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	Volt rms, 1 min
Contact open	1000 V
Contact/contact	2 kV
Contact/coil	2 kV
Insulation resistance at 500 V	≥1 G.Ω
Insulation, IEC 61810-1	2,5 kV/2

Specifications	
Ambient temperature operation/storage	-40 (no ice)...60 °C / -40 ... 80 °C
Minimum pulse ON/OFF	50 ms
Mechanical life	AC: 10 Mill./DC: 20 Mill.
DC voltage endurance at rated load	≥100000 switching cycles
Switching frequency at rated load	≤ 1200/h
Protection class	IP40
Weight	43 g

Standard types	C9-R21/AC ... V
AC 50 Hz/60 Hz: 24, 48, 115, (120), 230	
DC 12, 24, 48, 60	C9-R21/DC ... V

"..." Enter the voltage for full type designation

Accessories	
Socket:	S9-M, S9-L, S9-P, S9-P0
Optional accessories (blanking plug):	S9-NP, S9-OP

Connection diagram

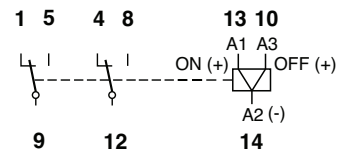


Fig. 1 AC voltage endurance

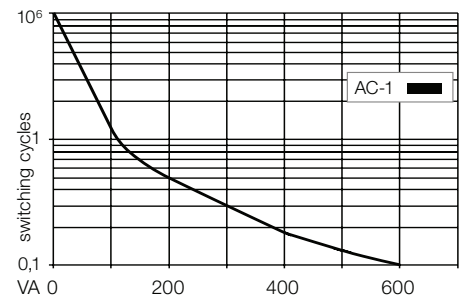
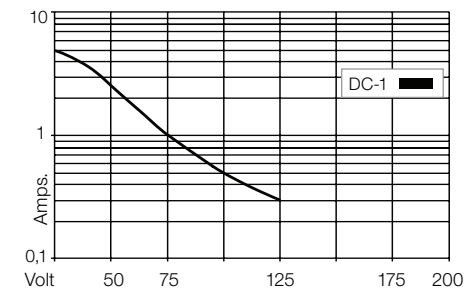
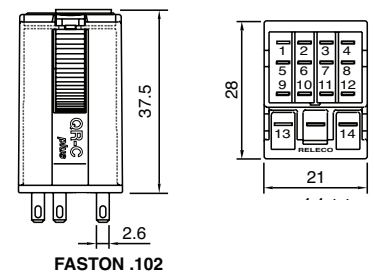


Fig. 2 DC load limit curve



Dimensions [mm]



Technical approvals, conformities

