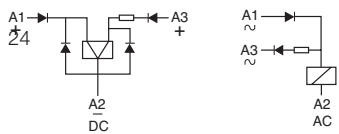




Type	C9-R2x/ ... V Magnetic latching relay 2 change-over contacts		
Maximum contact load	5 A/120V AC1		
	5 A/30 V DC1		
Recommended minimum contact load	10 mA/10 V		
Contacts			
Material	Standard	Code 1	AgNi + 0,2 μ Au
Rated current	5 A		
Switch-on current max. (20 ms)	15 A		
Switching voltage max.	120V		
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 GΩ	
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
AC 50 Hz/60 Hz: 24, 48, 115, (120), 230
DC 12, 24, 48, 60

C9-R21/AC ... V

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

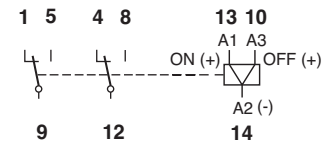


Fig. 1 AC voltage endurance

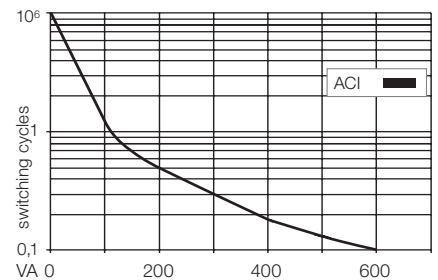
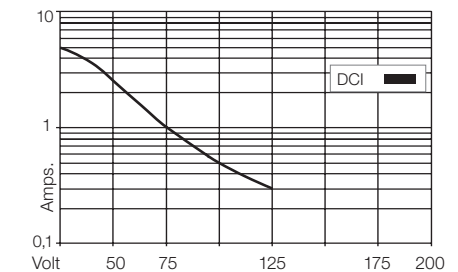
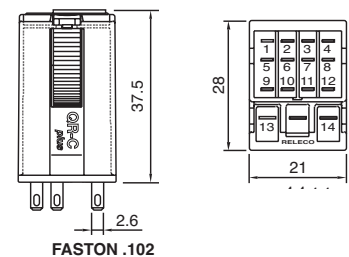


Fig. 2 DC load limit curve



Dimensions [mm]



Technical approvals, conformities

