QRC series
C9-R2x
9-pin, miniature remanence relay, 2-pole, plug-in, faston

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**

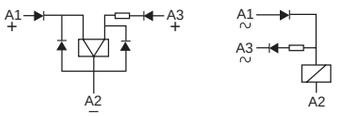
Contacts

Material	Standard	Code 1	AgNi + 0,2 µ Au
Rated current			5 A
Switch-on current max. (10 ms)			15 A
Switching voltage max.			120V
AC load			600 kVA
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	Ω	mA	VDC	Ω	mA
24	50	8	12	100	25
48	25	4	24	50	12
115	10	2	48	25	6
			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 61810-5	2,5 kV/3

Specifications

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

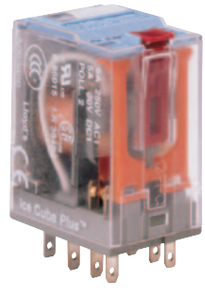
Standard types

AC 50 Hz/60 Hz: 24, 48, 115, (120), 230, (240)	**C9-R21/AC ... V**
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**
Operational accessories (blanking plug):	**S9-NP, S9-OP**



Connection diagram

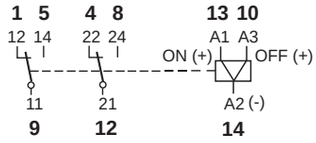


Fig. 1 AC voltage endurance

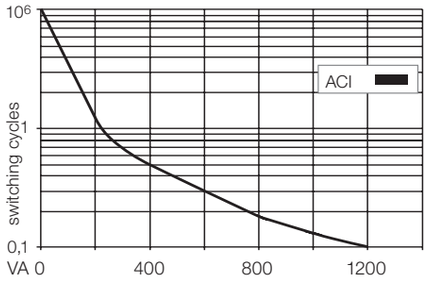
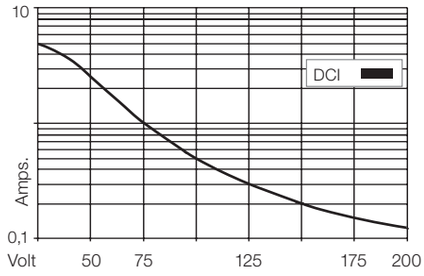
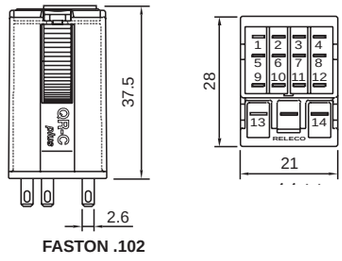


Fig. 2 DC load limit curve



Dimensions [mm]



Technical approvals, conformities

Lloyd´s

IEC 61810; EN 60947

Kühn Controls AG

Notes:

You want more information about this product, please call us: tel: +49 (0)7082-940000 or send us a fax: +49 (0)7082-940001, or email: sales@kuehn-controls.de or visit our Website: www.kuehn-controls.de