

QRC series
C9-A4x
14-pin, miniature relay, 4-pole, plug-in, faston

RELECO

Type	C9-A4x/ ... V Standard relays 4 change-over contacts
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Maximum contact load	5 A/250 V AC 1	5 A/30 V DC1
Recommended minimum contact load	1 mA/10 V (with 10 μ Au) 10 mA/10 V (standard contact)	

Contacts

Material	Standard	Code 1	AgNi + 0,2 μ Au
	Optional	Code 2	AgNi + 10 μ Au
Rated current			5 A
Switch-on current max. (2,5 ms)			15 A
Switching voltage max			250 V
AC load			1,250 kVA
DC load			see Fig. 2

Coil

Coil resistance	see table; tolerance $\pm 10 \%$
Pick-up voltage	$\geq 0,8 \times U_N$
Release voltage	$\geq 0,1 \times U_N$
Nominal power	1,2 VA (AC)/1 W (DC)

Coil table

VAC	Ω	mA	VDC	Ω	mA
24	174	50	12	148	85
48	686	25	24	594	43
115	4K3	10,4	48	2K3	21
230	18K6	5,2	110	11K4	11

Insulation

	Volt rms, 1 min
Contact open	1000 V
Contact/contact	2,5 kV
Contact/coil	2,5 kV
Insulation resistance at 500 V	$\geq 1 \text{ G}\Omega$
Insulation, IEC 61810-5	2,5 kV/3

Specifications

Ambient temperature operation/storage	-40 (no ice)...60 $^{\circ}\text{C}$ / -40 ... 80 $^{\circ}\text{C}$
Pick-up time/bounce time	10 ms/ ≤ 3 ms
Release time/bounce time	6 ms/ ≤ 1 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	$\leq 1200/\text{h}$
Protection class	IP40
Weight	43 g

Standard types

AC 50 Hz/60 Hz: 24, 48, 115, 230, (240)
LED

DC 12, 24, 48, 110

LED

Free wheeling diode

Polarity and free wheeling diode

AC/DC bridge rectifier 24 V, 48 V, 60 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

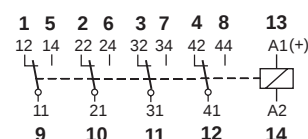


Fig. 1 AC voltage endurance

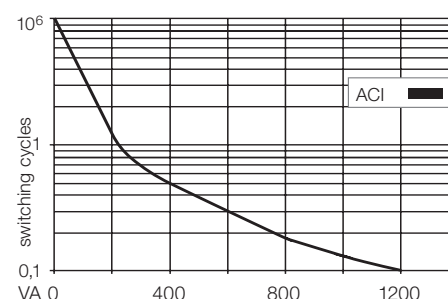
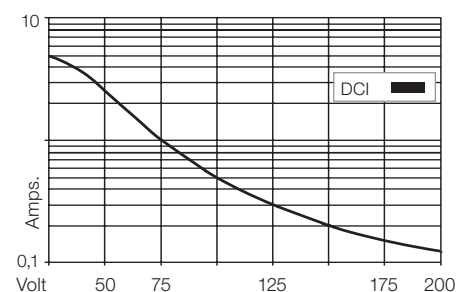
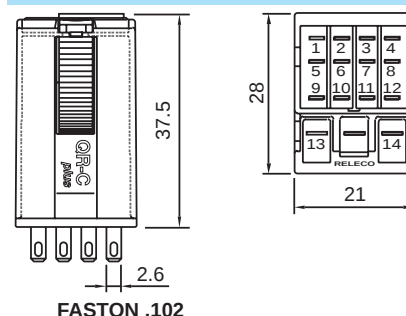


Fig. 2 DC load limit curve



Dimensions [mm]



Technical approvals, conformities

