

QRC series
C7-G2x
8-pin, miniature power relay, 2-poles, faston

Type **C7-G2x/ ... V**
 Power relay, DC application
 2 open contacts, gap 1,5mm

Maximum contact load **10 A/250 V AC1** **0,8 A/110 V DC1**
10 A/30 V DC1 **0,4 A/220 V DC1**

Contacts
 Material Standard Code 0 AgNi
 Rated current 10 A
 Switch-on current max. (20 ms) 30 A
 Switching voltage max 250 V
 AC load 2,5 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 1,5 VA (AC)/1,5 W (DC)

Coil table

VAC	Ω	mA	VDC	Ω	mA
24	153	62	12	99	121
48	611	31	24	388	61
115	3K6	13	48	1K5	32
230	14K6	6,5	110	8K	14

Insulation Volt rms, 1 min
 Contact open 2000 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 °C /-40 ... 80 °C
 Pick-up time/bounce time 20 ms/ ≤ 3 ms
 Release time/bounce time 10 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 ≤ 1200 /h
 Protection class IP40
 Weight 43 g

Standard types
AC 50 Hz/60 Hz: 24, 48, 115 (120), 230 (240) LED

DC 24, 48, 110 LED
Free wheeling diode
Polarity and free wheeling diode

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

C7-G20/AC ... V
C7-G20X/AC ... V

C7-G20/DC ... V
C7-G20X/DC ... V
C7-G20DX/DC ... V
C7-G20FX/DC ... V

C7-G20BX/UC ... V

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

Accessories
 Socket: **S7-M, S7-I/O, S7-L, S7-P, S7-P0**



Connection diagram

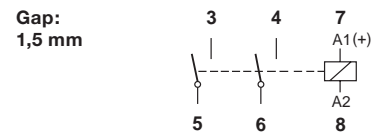


Fig. 1 AC voltage endurance

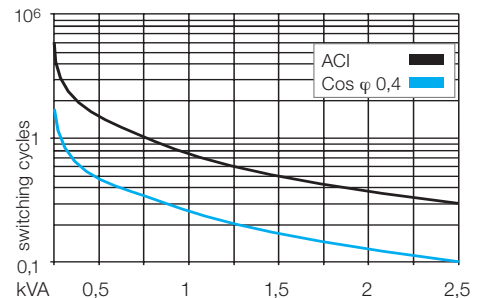
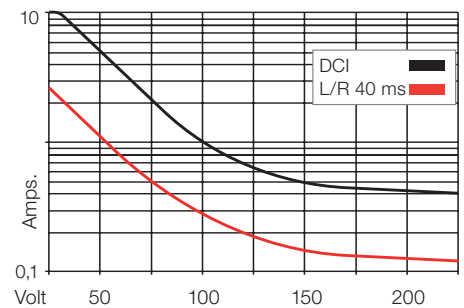
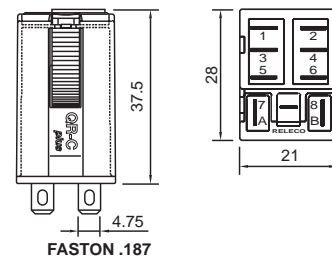


Fig. 2 DC load limit curve



Dimensions [mm]



Technical approvals, conformities



IEC 61810; EN 60947



Kühn Controls AG

Notes:

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