

**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	$\Omega$	mA	VDC	$\Omega$	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/ $\leq 3$  ms  
 Release time/bounce time 10 ms/ $\leq 1$  ms  
 Mechanical life AC: 10 Mill./DC: 20 Mill. switching cycles  
 AC voltage endurance at rated load  $\geq 100000$  switching cycles  
 Switching frequency at rated load  $\leq 1200$ /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**

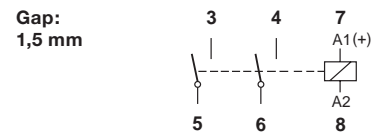
**C7-G20BX/UC ... V**

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

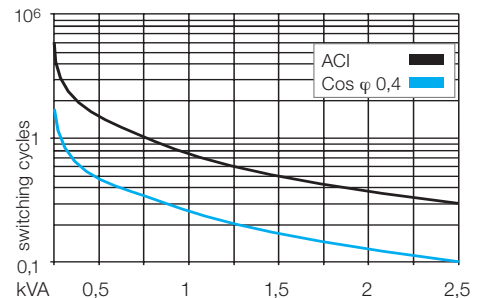
**Accessories**  
 Socket: **S7-M, S7-I/O, S7-L, S7-P, S7-P0**



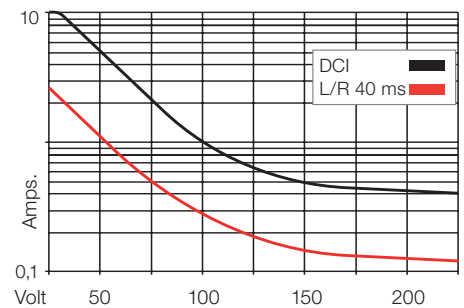
**Connection diagram**



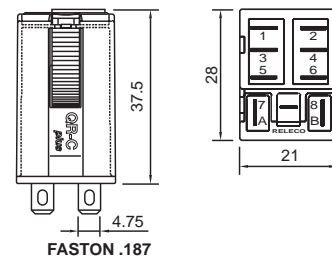
**Fig. 1 AC voltage endurance**



**Fig. 2 DC load limit curve**



**Dimensions [mm]**



**Technical approvals, conformities**



IEC 61810; EN 60947



**Kühn Controls AG**

**Notes:**

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](mailto:sales@kuehn-controls.de) or visit our Website: [www.kuehn-controls.de](http://www.kuehn-controls.de)