

QRC series
C7-T2x
8-pin, miniature relay, 2-poles, twin contact, faston

Type	C7-T2x/ ... V Standard relays for low level 2 change-over bifurcated contacts			
Maximum contact load	6 A/250 V	AC1	6 A/30 V	DC1
Recommended minimum contact load	1 mA/5 V	(with 10 µ Au)		
	5 mA/5 V	(standard contact)		

Contacts			
Material	Standard	Code 1	AgNi + 0,2 µ Au
	Optional	Code 2	AgNi + 10 µ Au
Rated current	6 A		
Switch-on current max. (20 ms)	15 A		
Switching voltage max.	250 V		
AC load	1,2 kVA		
DC load	see f.g. 2		

Coil			
Coil resistance	see table; tolerance ± 10 %		
Pick-up voltage	≥ 0,8 x U _N		
Release voltage	≥ 0,1 x 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	≥ 1 GΩ	
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	16 ms/≤ 3 ms
Release time/bounce time	8 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	C7-T21/AC ... V C7-T21X/AC ... V	C7-T22/AC ... V C7-T22X/AC ... V
DC 24, 48, 110 LED	C7-T21/DC ... V C7-T21X/DC ... V	C7-T22/DC ... V C7-T22X/DC ... V
Free wheeling diode	C7-T21DX/DC ... V C7-T21FX/DC ... V	C7-T22DX/DC ... V C7-T22FX/DC ... V
Polarity and free wheeling diode		
AC/DC bridge rectifier 24 V, 48 V, 60 V	C7-T21BX/UC ... V	C7-T22BX/UC ... V

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

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



Connection diagram

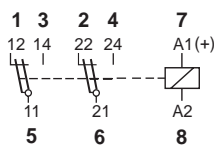


Fig. 1 AC voltage endurance

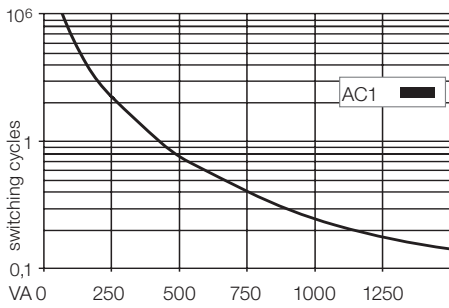
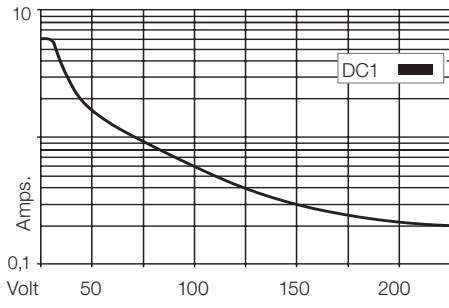
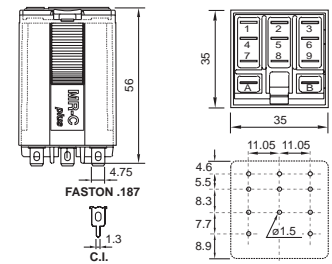


Fig. 2 DC load limit curve



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 or visit our Website: www.kuehn-controls.de