

IRC series
C10-GT1x
4-pin, Interface relays, 1-pole, twin open contact, plug-in faston

Type	C10-GT1x/ ... V Standard relay for low power application 1 open contact		
Maximum contact load	6 A/250 V AC1	0,8 A/110 V DC1	
Recommended minimum contact load	1 mA/5 V (with 10 μ Au)	5 mA/5 V (standard contact)	

Contacts			
Material	Standard	Code 3	AgNi + 3 μ
	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	1,5 kVA		
DC load	see Fig. 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	1,1 VA (AC)/0,7 W (DC)		

Coil table	VAC	Ω	mA	VDC	Ω	mA
	24	290	45	12	224	53
	48	1200	23	24	742	32
	115	7.300	9,5	48	3.500	13,7
	230	28.800	4,7	110	19.900	5,5

Insulation	Volt rms, 1 min
Contact open	2000 V
Contact/coil	5 kV
Insulation resistance at 500 V	≥3 GΩ
Insulation, IEC 61810-5	4 kV/3

Specifications	
Ambient temperature operation/storage	-40 (no ice)...60 °C / -40 ... 80 °C
Pick-up time/bounce time	10 ms/≤ 1 ms
Release time/bounce time	8 ms
Mechanical life	AC: 10 Mill./DC: 20 Mill. switching cycles
Lebensdauer der DC-Relais bei Rated load	≥100000 switching cycles
Switching frequency at rated load	≤ 1200/h
Protection class	IP40
Weight	21 g

Standard types	C10-GT13/AC ... V	C10-GT12/AC ... V
AC 50 Hz/60 Hz: 24, 48, 115, (120), 230, (240)	C10-GT13X/AC ... V	C10-GT12X/AC ... V
LED	C10-GT13R/AC ... V	C10-GT12R/AC ... V
RC suppressor		
DC 12, 24, 48, 110	C10-GT13/DC ... V	C10-GT12/DC ... V
LED	C10-GT13X/DC ... V	C10-GT12X/DC ... V
Polarity and free wheeling diode	C10-GT13FX/DC ... V	C10-GT12FX/DC ... V
AC/DC bridge rectifier 24 V, 48 V	C10-GT13BX/UC ... V	C10-GT12BX/UC ... V

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

Accessories	S10, S10-M, S10-K, S10-P
Socket:	



Connection diagram

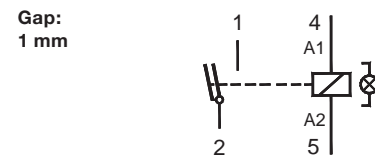


Fig. 1 AC voltage endurance

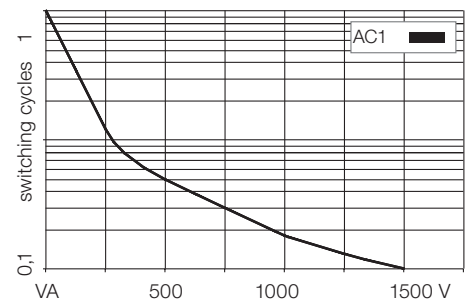
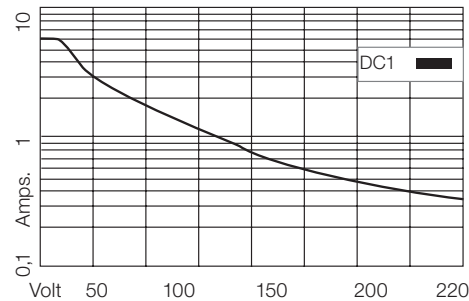
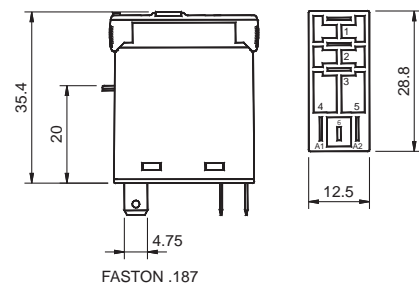


Fig. 2 DC load limit curve



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