

IRC series C10-G1x 4-pin, Interface relays, 1-pole, plug-in, faston

Type	/ ... V Standard relay 1 open contact for high DC load
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Maximum contact load	10 A/250 V AC1	0,8 A/110 V DC1
Recommended minimum contact load	10 mA/30 V DC1	0,4 A/220 V DC1
	10 mA/10 V (standard contact)	

Contacts			
Material	Standard	Code 0	AgNi
	Optional	Code 8	AgNi +10 μ Au
	Optional	Code 5	Ag SnO2
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 ± 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/contact	5 kV
Contact/coil	5 kV
Insulation resistance at 500 V	≥1 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
AC voltage endurance at rated load	≥100000 switching cycles
Switching frequency at rated load	≤ 1200/h
Protection class	IP40
Weight	21 g

Standard types		
AC 50 Hz/60 Hz: 24, 48, 115 (120), 230 (240) LED	C10-G10/AC ... V	C10-G10/AC ... V
RC suppressor	C10-G10X/AC ... V	C10-G10X/AC ... V
	C10-G10R/AC...V	C10-G10R/AC...V
DC12, 24, 48, 110 LED	C10-G10/DC ... V	C10-G15/DC ... V
Free wheeling diode	C10-G10X/DC ... V	C10-G15X/DC ... V
Polarity and free wheeling diode	C10-G10DX/DC ... V	C10-G15DX/DC... V
	C10-G10FX/DC ... V	C10-G15FX/DC... V
AC/DC bridge rectifier 24 V, 48 V	C10-G10BX/DC ... V	C10-G15BX/UC... V

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

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



Connection diagram

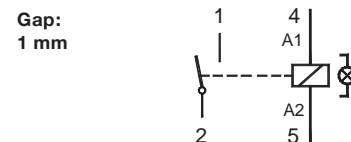


Fig. 1 AC voltage endurance

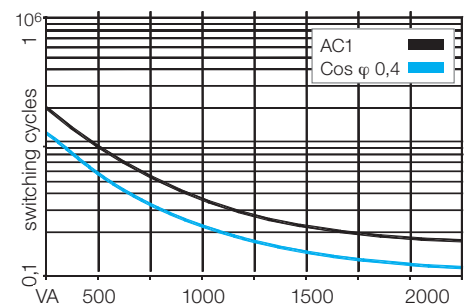
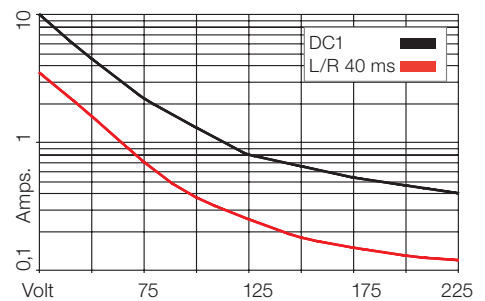
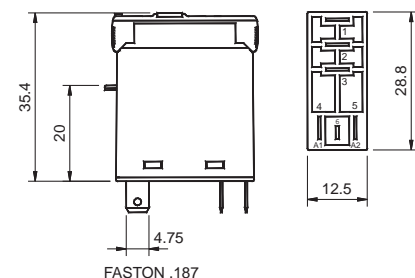


Fig. 2 DC load limit curve



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