

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

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

<b>Coil</b>	
Coil resistance	see table; tolerance ± 10 %
Pick-up voltage	≥ 0,8 x U <sub>N</sub>
Release voltage	≥ 0,1 x U <sub>N</sub>
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

<b>Insulation</b>	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

<b>Specifications</b>	
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

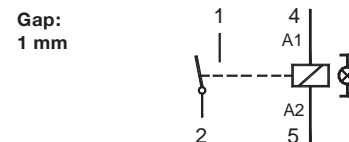
<b>Standard types</b>		
<b>AC 50 Hz/60 Hz: 24, 48, 115 (120), 230 (240) LED</b>	<b>C10-G10/AC ... V</b>	<b>C10-G10/AC ... V</b>
<b>RC suppressor</b>	<b>C10-G10X/AC ... V</b>	<b>C10-G10X/AC ... V</b>
	<b>C10-G10R/AC...V</b>	<b>C10-G10R/AC...V</b>
<b>DC12, 24, 48, 110 LED</b>	<b>C10-G10/DC ... V</b>	<b>C10-G15/DC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

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

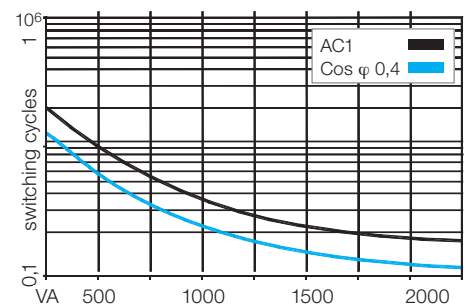
<b>Accessories</b>	
Socket:	<b>S10, S10-M, S10-K</b>



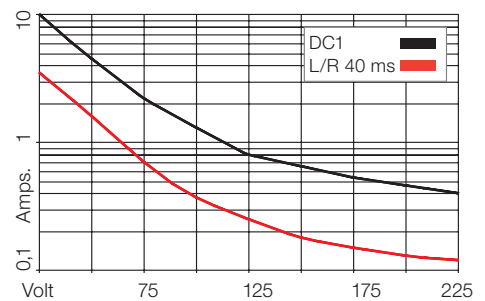
### Connection diagram



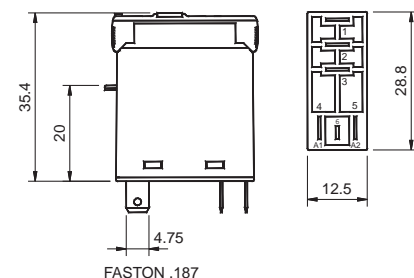
**Fig. 1 AC voltage endurance**



**Fig. 2 DC load limit curve**



### Dimensions [mm]



### Technical approvals, conformities



IEC 61810; EN 60947