

C10-A1x

5-pin, Interface relays, 1-pole, plug-in, faston

Type	C10-A1x/ ... V Standard relay, 1 change-over contact		
Maximum contact load	10 A/250 V AC1	0,5 A/110 V DC1	
	10 A/30 V DC1	0,2 A/220 V DC1	
Recommended minimum contact load	1 mA/10 V (with 10 µAu)		
	10 mA/10 V (standard contact)		

Contacts			
Material	Standard	Code 0	AgNi
	Optional	Code 8	AgNi+ 10 µAu
	Optional	Code 5	Ag Sn O
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																															
	<table border="1"> <thead> <tr> <th>VAC</th> <th>Ω</th> <th>mA</th> <th>VDC</th> <th>Ω</th> <th>mA</th> </tr> </thead> <tbody> <tr> <td>24</td> <td>290</td> <td>45</td> <td>12</td> <td>224</td> <td>53</td> </tr> <tr> <td>48</td> <td>1200</td> <td>23</td> <td>24</td> <td>742</td> <td>32</td> </tr> <tr> <td>115</td> <td>7.300</td> <td>9,5</td> <td>48</td> <td>3.500</td> <td>13,7</td> </tr> <tr> <td>230</td> <td>28.800</td> <td>4,7</td> <td>110</td> <td>19.900</td> <td>5,5</td> </tr> </tbody> </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
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Insulation	Volt rms, 1 min
Contact open	1000 V
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	5 ms/3 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)	C10-A10/AC ... V	C10-A18/AC ... V	C10-A15/AC ... V
LED	C10-A10X/AC ... V	C10-A18X/AC ... V	C10-A15X/AC ... V
RC suppressor	C10-A10R/AC...V	C10-A18R/AC...V	C10-A15R/AC...V
DC 12, 24, 48, 110	C10-A10/DC ... V	C10-A18/DC ... V	C10-A15/DC ... V
LED	C10-A10X/DC ... V	C10-A18X/DC ... V	C10-A15X/DC ... V
Free wheeling diode			
Polarity and free wheeling diode	C10-A10FX/DC...V	C10-A18FX/DC...V	C10-A15FX/DC ... V
AC/DC bridge rectifier 24 V, 48 V	C10-A10BX/UC ...V	C10-A18BX/UC ...V	C10-A15BX/UC ... V
"..." Enter the voltage for full type designation			

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



Connection diagram

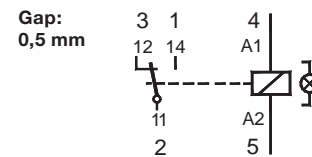


Fig. 1 AC voltage endurance

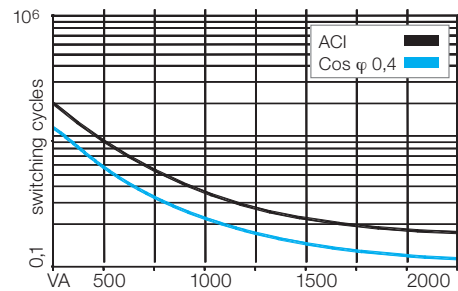
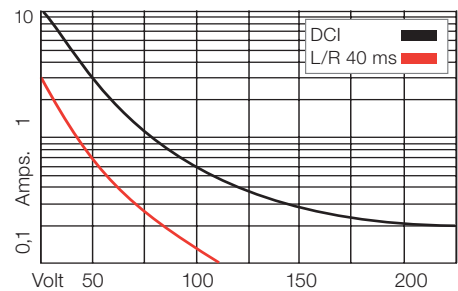
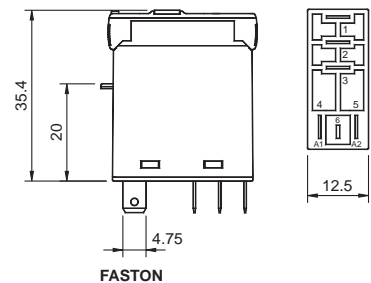


Fig. 2 DC load limit curve



Dimensions [mm]



Technical approvals, conformities



IEC 61810; EN 60947



Kühn Controls AG

Notes:

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