

# C2-A2x

2 pole | changeover contact | plug-in

<b>Maximum contact load</b>	<b>10 A/250 V AC-1</b>	<b>0.5 A/110 V DC-1</b>
	<b>10 A/30 V DC-1</b>	<b>0.2 A/220 V DC-1</b>
<b>Recommended minimum contact load</b>	<b>10 mA/10 V Code 0</b>	
	<b>5 mA/5 V Code 8</b>	

<b>Contacts</b>		
Material	Standard	Code 0 ⚡ AgNi
	Optional	Code 8 ⚡ AgNi + 5 μ Au
Max. switching current		10 A
Max. peak inrush current (20 ms.)		30 A
Max. switching voltage		250 V
Max. AC load (Fig 1 1)		2.5 kVA
Max. DC load		See Fig 2

<b>Coils</b>	
Coil resistance	see table; tolerance ± 10 %
Pick up voltage	≤ 0.8 × U <sub>N</sub>
Pick up voltage	≥ 0.1 × U <sub>N</sub>
Nominal power	2.2 VA (AC)/1.3 W (DC)

<b>Table</b>	<b>V AC</b>	<b>Ω</b>	<b>mA</b>	<b>VDC</b>	<b>Ω</b>	<b>mA</b>
	24	67	92	24	443	54
	48	296	46	48	1K8	27
	115	1K7	19	110	9K	12
	230	7K1	9.5	220	36K1	6

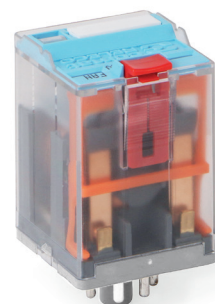
<b>Insulation</b>	Volt rms / 1 min
Open contact	1000 V
Between adjacent poles	2.5 kV
Between contacts and coil	2.5 kV
Insulation resistance at 500 V	≥ 1 GΩ
Insulation, IEC 61810-1	2.5 kV

<b>Specifications</b>	
Ambient temperature operation/storage	-40...60 °C / -40 ... 80 °C (no ice)
Pick-up time + bounce time	16 ms/≤ 3 ms
Release time + bounce time	8 ms/≤ 1 ms
Mechanical life ops	AC: 10 Mill./DC: 20 Mill.
DC voltage endurance at rated load	≥ 100 000 ops. switching cycles
Operating frequency at nominal load	≤ 1200/ops/h
Weight	79 g

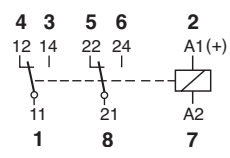
<b>Product References</b>		
<b>V AC 50 Hz/60 Hz: 24, 48, 115 (120), 230 (240)</b>	<b>C2-A20/AC ... V</b>	<b>C2-A28/AC ... V</b>
<b>LED</b>	<b>C2-A20X/AC ... V</b>	<b>C2-A28X/AC ... V</b>
<b>RC Suppressor</b>	<b>C2-A20R/AC ... V</b>	<b>C2-A28R/AC ... V</b>
<b>VDC 24, 48, 110, 220</b>	<b>C2-A20/DC ... V</b>	<b>C2-A28/DC ... V</b>
<b>LED</b>	<b>C2-A20X/DC ... V</b>	<b>C2-A28X/DC ... V</b>
<b>Free wheeling diode</b>	<b>C2-A20DX/DC ... V</b>	<b>C2-A28DX/DC ... V</b>
<b>Polarity and free wheeling diode</b>	<b>C2-A20FX/DC ... V</b>	<b>C2-A28FX/DC ... V</b>
<b>AC/DC bridge rectifier 24 V, 48 V, 60 V</b>	<b>C2-A20BX/UC ... V</b>	<b>C2-A28BX/UC ... V</b>
Other voltages on request		

"..." List Coil Voltage to complete Product References

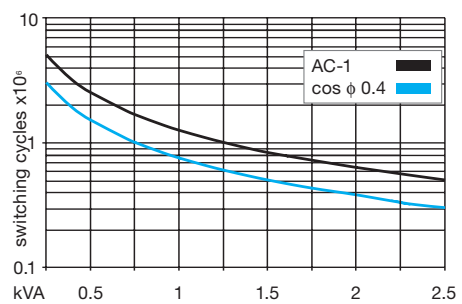
<b>Accessories</b> (See also Section Sockets)	
Socket:	<b>S2-B, S2-PO</b>
Blanking Plug:	<b>SO-NP (BAG 10 PCS)</b>



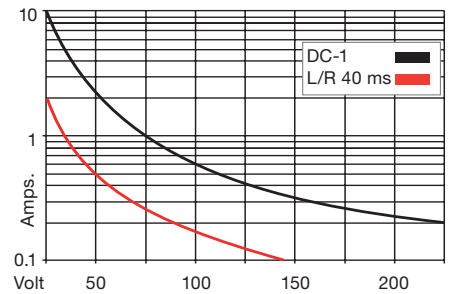
**Connection diagram**



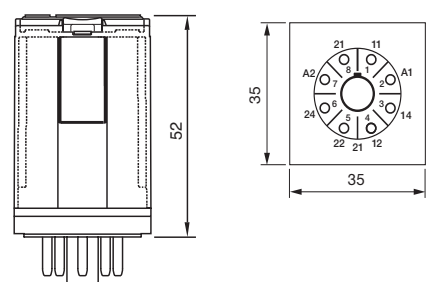
**Fig.1 AC voltage endurance**



**Fig. 2 DC load limit curve**



**Dimensions**



**Technical approvals, conformities**



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Max. DC load	See Fig 2		

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### Product References

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LED

RC Suppressor

VDC 24, 48, 110, 220

LED

Free wheeling diode

Polarity and free wheeling diode

AC/DC bridge rectifier 24 V, 48 V, 60 V

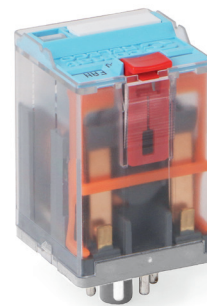
Other voltages on request

C2-A20/AC ... V	C2-A28/AC ... V
C2-A20X/AC ... V	C2-A28X/AC ... V
C2-A20R/AC ... V	C2-A28R/AC ... V
C2-A20/DC ... V	C2-A28/DC ... V
C2-A20X/DC ... V	C2-A28X/DC ... V
C2-A20DX/DC ... V	C2-A28DX/DC ... V
C2-A20FX/DC ... V	C2-A28FX/DC ... V
C2-A20BX/UC ... V	C2-A28BX/UC ... V

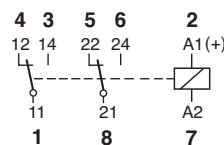
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### Accessories (See also Section Sockets)

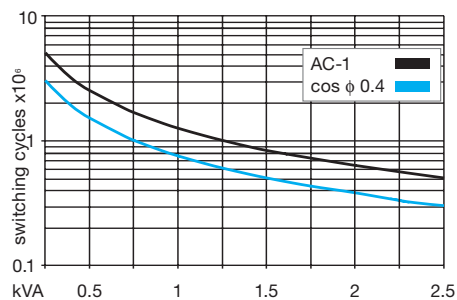
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Blanking Plug:	<b>SO-NP (BAG 10 PCS)</b>



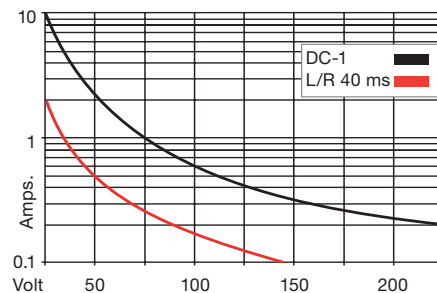
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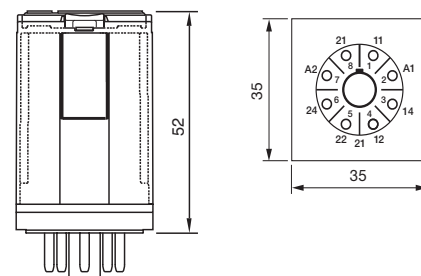
### Fig.1 AC voltage endurance



### Fig. 2 DC load limit curve



### Dimensions



### Technical approvals, conformities

