

# C7-A2x

2 pole | changeover contact | plug-in Faston

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

### Contacts

Material	Standard	Code 0	AgNi
	Optional	Code 8	AgNi + 5 μ Au
Rated Load			10 A
Switch-on current max. (20 ms)			30 A
Switching voltage max.			250 V
AC load (Fig 1)			2.5 kVA
DC load			see Fig. 2

### Coil

Coil resistance	see table; tolerance ± 10 %
Pick-up voltage	≤ 0.8 × U <sub>N</sub>
Release voltage	≥ 0.1 × U <sub>N</sub>
Nominal power	1.2 VA (AC)/1 W (DC)

### Coil table

V AC	Ω	mA	VDC	Ω	mA
24	174	50	12	148	85
48	686	25	24	594	43
115	4K3	10.4	48	2K3	21
230	18K6	5.2	110	11K4	10

### Insulation

	Volt rms / 1 min
Contact open	1000 V
Contact/contact	2.5 kV
Contact/coil	2.5 kV
Insulation resistance at 500 V	≥ 1 GΩ
Insulation, IEC 61810-1	2.5 kV

### Specifications

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 switching cycles
Switching frequency at rated load	≤ 1200/h
Weight	43 g

### Product References

V AC 50 Hz/60 Hz: 24, 48, 115 (120), 230 (240)  
LED

C7-A20/AC ... V	C7-A28/AC ... V
C7-A20X/AC ... V	C7-A28X/AC ... V

VDC 12, 24, 48, 110

LED

Free wheeling diode (only 24 DC)

Polarity and free wheeling diode

C7-A20/DC ... V	C7-A28/DC ... V
C7-A20X/DC ... V	C7-A28X/DC ... V
C7-A20DX/DC 24 V	C7-A28DX/DC 24 V
C7-A20FX/DC ... V	C7-A28FX/DC ... V

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

Other voltages on request

C7-A20BX/UC ... V	C7-A28BX/UC ... V
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"..." List Coil Voltage to complete Product References

### Accessories (See also Section Sockets)

Socket:	<b>S7-C, S7-IO, S7-P,</b>
Push only:	<b>S9-OP (BAG 10 PCS)</b>
Blanking Plug:	<b>S9-NP (BAG 10 PCS)</b>



### Connection diagram

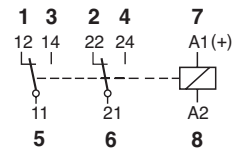


Fig.1 AC voltage endurance

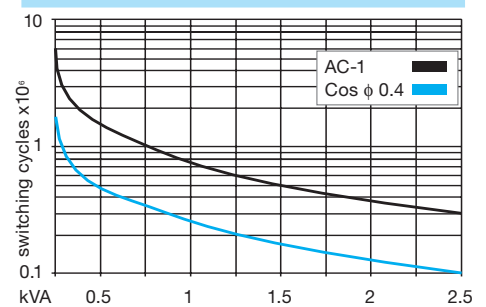
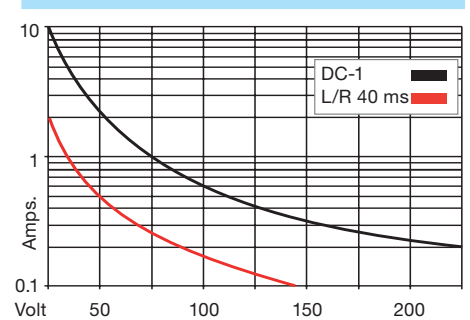
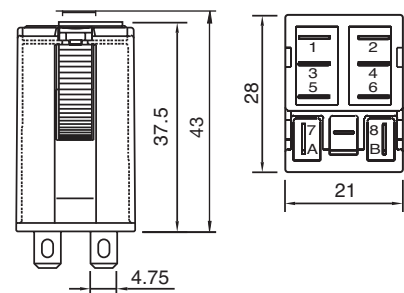


Fig. 2 DC load limit curve



### Dimensions



### Technical approvals, conformities



IEC/EN 61810; IEC/EN 60947