

# C12-A2x

2 pole | changeover contact | faston



### Main circuit

Available contact materials	<span style="color: green;">●</span> AgNi + 0.2 μ Au for C12-A21 <span style="color: yellow;">●</span> AgNi + 5 μ Au for C12-A22
Recommended minimum contact load	10 mA / 10 V for C12-A21 5 mA / 5 V for C12-A22
Maximum contact load AC	5 A / 250 V AC-1
Maximum contact load DC	5 A / 30 V DC-1
Rated current	5 A
Inrush current	15 A, 20 ms
AC load	1200 VA
DC load	fig. 3.
Mechanical endurance (cycles)	≥ 10 000 000
Electrical endurance at rated load AC-1 (cycles)	≥ 100 000

### Control circuit

Nominal voltage	see table product references
Operating voltage range	0.8 U <sub>N</sub> ... 1.1 U <sub>N</sub>
Pick-up voltage	≤ 0.8 U <sub>N</sub>
Release voltage	≥ 0.1 U <sub>N</sub>
Power consumption AC / DC	1.1 VA / 0.7 W

### Coil table

V AC	Ω	mA	V DC	Ω	mA
12	82	71	12	224	54
24	290	45	24	742	32
48	1 206	23	48	3 400	13.5
115	7 290	9.5	110	19 923	5.5
230	28 874	4.7			

### Insulation

Test voltage open contact	1 kV / 1 min
Test voltage contact / contact	3 kV / 1 min
Test voltage contact / coil	5 kV / 1 min
Pollution degree	3
Overvoltage category	III
Insulation resistance at 500 V	≥ 1 GΩ

### General data

Ambient temperature storage (no ice)	-40 ... 80 °C
Ambient temperature operation	-40 ... 70 °C
Pick-up time / bounce time	10 ms / ≤ 1 ms
Release time / bounce time	5 ms / ≤ 3 ms
Maximum switching frequency at rated load	1200 / h
Dimension	fig. 4.
Weight	21 g
Housing material	PA / PC

### Product references

Description	Type (x refers to contact material)	12	24	48	110	115	230
AC 50 Hz	C12-A2x/AC...V	✓	✓	✓		✓	✓
LED	C12-A2xX/AC...V	✓	✓	✓		✓	✓
RC Suppressor	C12-A2xR/AC...V	✓	✓	✓		✓	✓
DC	C12-A2x/DC...V	✓	✓	✓	✓		
LED	C12-A2xX/DC...V	✓	✓	✓	✓		
LED & Polarity & Free wheeling diode	C12-A2xFX/DC...V	✓	✓	✓	✓		
AC / DC bridge recifier & LED	C12-A2xBX/UC...V		✓	✓			

AC relays also available as 60 Hz. Other voltages on request. Please contact support@comatreleco.com.  
 «...» List coil voltage to complete product references

### Accessories

Socket	S12, S12-P, S12-PI
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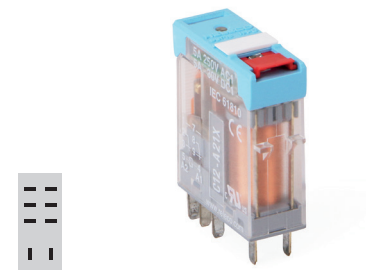


fig. 1. Wiring diagram

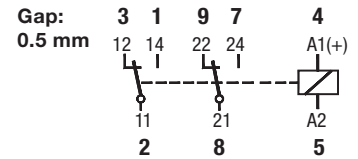


fig. 2. AC voltage endurance

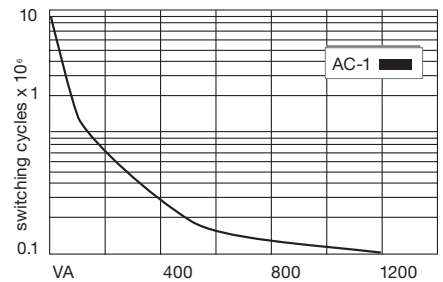


fig. 3. DC load limit curve

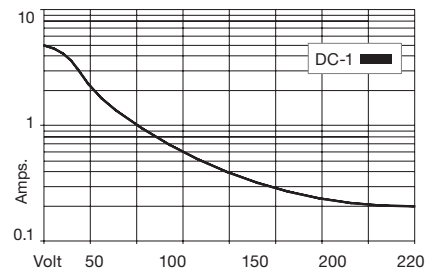
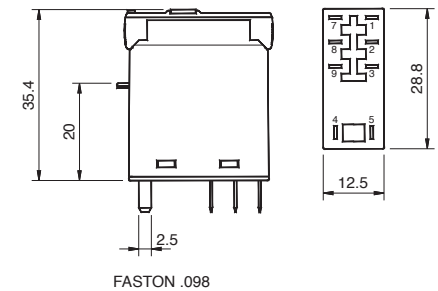


fig. 4. Dimension (mm)



### Technical approvals, conformities

Standards IEC/EN 61810; IEC/EN 60947

