

C12-A2x

2 pole | changeover contact | plug-in Faston



Maximum contact load	5 A/250 V AC-1	0.5 A/110 V DC-1
	5 A/30 V DC-1	0.2 A/220 V DC-1
Recommended minimum contact load	10 mA/10 V Code 1	
	5 mA/5 V Code 2	

Contacts

Material	Standard	Code 1	AgNi + 0.2 μ Au
	Optional	Code 2	AgNi + 5 μ Au
Rated Load			5 A
Switch-on current max. (20 ms)			15 A
Switching voltage max.			250 V
AC load (Fig 1)			1.2 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

V AC	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

Insulation

	Volt rms / 1 min
Contact open	1000 V
Contact/contact	3000 V
Contact/coil	5 kV
Insulation resistance at 500 V	≥ 1 G.Ω
Insulation, IEC 61810-1	4 kV

Specifications

Ambient temperature operation/storage	-40 ... 60 °C / -40 ... 80 °C (no ice)
Pick-up time/bounce time	10 ms/≤ 1 ms
Release time/bounce time	5 ms/≤ 3 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	21 g

Product References

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

LED

RC Suppressor

VDC 12, 24, 48, 110

LED

Polarity and free wheeling diode

AC/DC bridge rectifier 24 V, 48 V

Other voltages on request

C12-A21/AC ... V
C12-A21X/AC ... V
C12-A21R/AC ... V

C12-A22/AC ... V
C12-A22X/AC ... V
C12-A22R/AC ... V

C12-A21/DC ... V
C12-A21X/DC ... V
C12-A21FX/DC ... V

C12-A22/DC ... V
C12-A22X/DC ... V
C12-A22FX/DC ... V

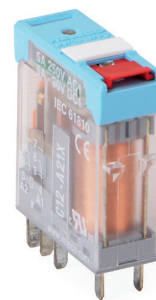
C12-A21BX/UC ... V

C12-A22BX/UC ... V

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

Accessories

Socket: **S12, S12-P**



Connection diagram

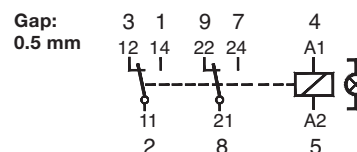


Fig.1 AC voltage endurance

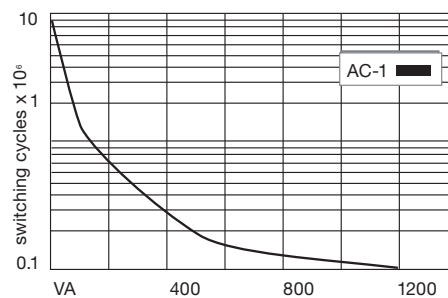
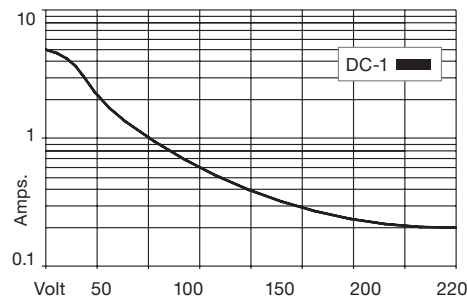
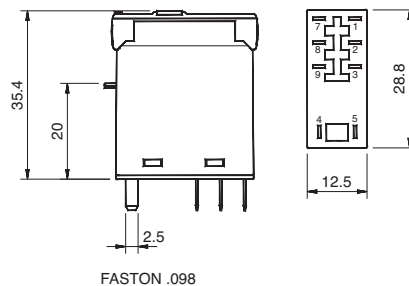


Fig. 2 DC load limit curve



Dimensions



Technical approvals, conformities



IEC/EN 61810; IEC/EN 60947