

1.1 Interface Relays - pluggable

C12-A2x

2 pole | changeover contact | 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
Max. inrush current (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 × U _N
Release voltage	≥ 0.1 × U _N
Nominal power	1.1 VA (AC)/0.7 W (DC)

Coil table

V AC	Ω	mA	V DC	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

Contact open	1000 V
Contact/contact	3000 V
Contact/coil	5 kV
Insulation resistance at 500 V	≥ 1 GΩ
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
Max. 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

V DC 12, 24, 48, 110

LED

Polarity and free wheeling diode

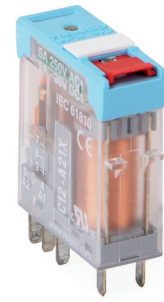
AC/DC bridge rectifier 24 V, 48 V

Other voltages on request

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

Accessories

Socket **S12, S12-P**



Connection diagram

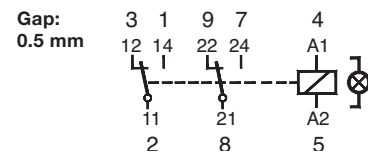


fig. 1 AC voltage endurance

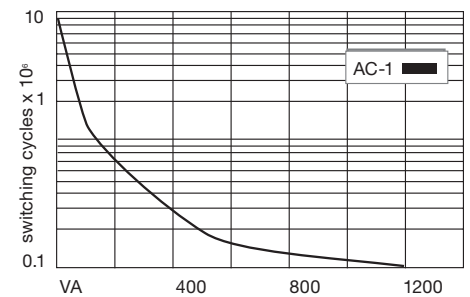
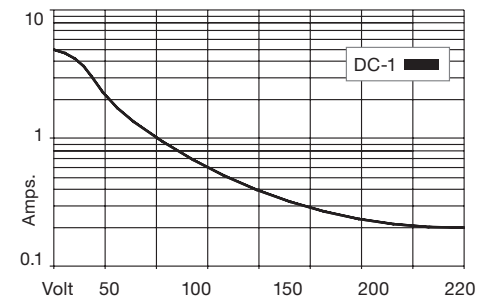
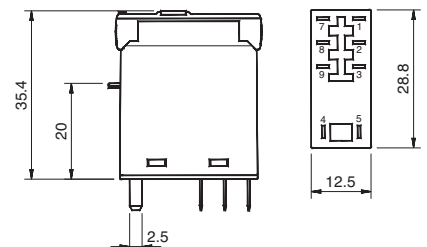


fig. 2 DC load limit curve



Dimensions (mm)



FASTON .098

Technical approvals, conformities



IEC/EN 61810; IEC/EN 60947

C12-G2x**2 pole | normally open contact | Faston**

Maximum contact load	5 A/250 V	AC-1	0.8 A/110 V	DC-1
	5 A/30 V	DC-1	0.4 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
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Insulation

Contact open	2000 V
Contact/contact	3000 V
Contact/coil	5 kV
Insulation resistance at 500 V	≥ 1 GΩ
Insulation, IEC 61810-1	4 kV

Specifications

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Product References**V AC 50 Hz/60 Hz:** 24, 48, 115, (120), 230, (240)**LED****RC Suppressor****V DC 12, 24, 48, 110****LED****Polarity and free wheeling diode****AC/DC bridge rectifier 24 V, 48 V**

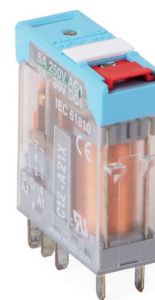
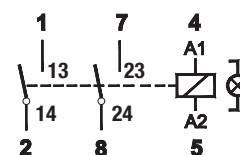
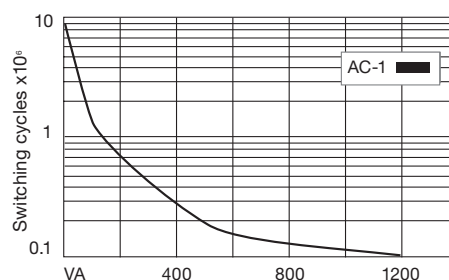
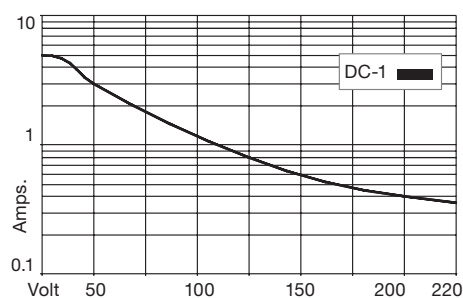
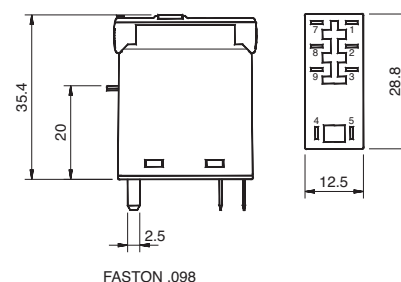
Other voltages on request

C12-G21/AC ... V
C12-G21X/AC ... V
C12-G21R/AC ... V
C12-G21/DC ... V
C12G21X/DC ... V
C12-G21FX/DC ... V
C12-G21BX/UC ... V
C12-G22/AC ... V
C12-G22X/AC ... V
C12-G22R/AC ... V
C12-G22/DC ... V
C12-G22X/DC ... V
C12-G22FX/DC ... V
C12-G22BX/UC ... V

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Accessories

Socket	S12, S12-P
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**Connection diagram**Gap:
1 mm**fig. 1 AC voltage endurance****fig. 2 DC load limit curve****Dimensions (mm)****Technical approvals, conformities**