

C12-A20FX/DC48V

2 pole | Changeover contact | Faston



Main circuit

Available contact materials	AgNi
Recommended minimum contact load	10 mA / 10 V
Maximum contact load AC	5 A / 250 V AC-1
Maximum contact load DC	5 A / 30 V DC-1
Inrush current	15 A, 20 ms
Rated load AC	1 200 VA
Rated load DC	fig. 3.
Rated current	5 A
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	$0.8 U_N \dots 1.1 U_N$
Pick-up voltage	$\leq 0.8 U_N$
Release voltage	$\geq 0.1 U_N$
Power consumption AC / DC	1.1 VA / 0.7 W

Coil table

$U_{DC}(V)$	$R(\Omega)$	$I(mA)$
48	3 400	13.5

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
Overvoltage category	III
Insulation resistance at 500 V	$\geq 1 G\Omega$
Pollution degree	3

General data

Storage temperature (no ice)	-40 ... 80 °C
Operation temperature	-40 ... 60 °C
Pick-up time / bounce time	10 ms / ≤ 1 ms
Release time / bounce time	5 ms / ≤ 3 ms
Maximum switching frequency at rated load	1 200 / h
Dimensions	fig. 4.
Weight	21 g
Housing material	PA / PC

Product references

Description	Type	48
LED & Pol. & Free wheeling diode	C12-A2xFX/DC...V	✓

Accessories

Socket	S12, S12-PI, S12-P
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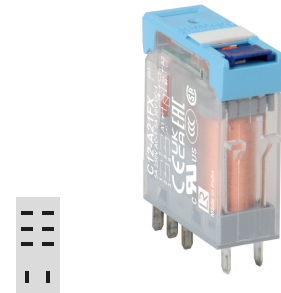


fig. 1. Wiring diagram

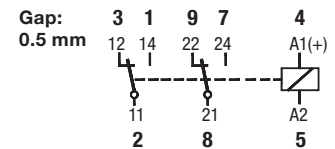


fig. 2. AC voltage endurance

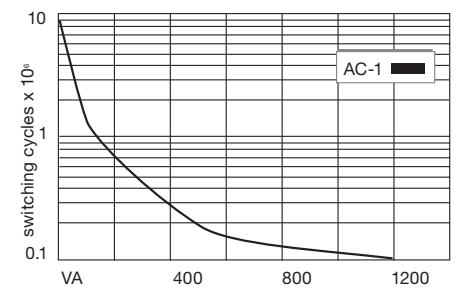


fig. 3. DC load limit curve

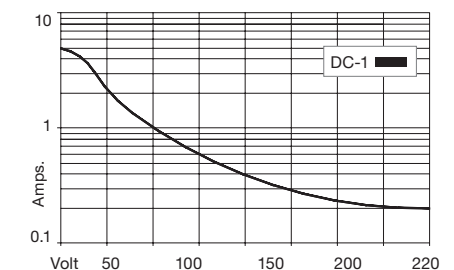
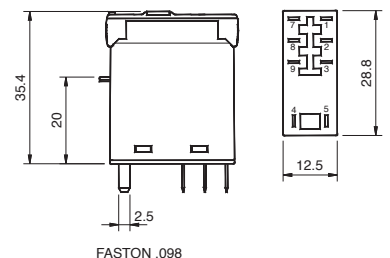


fig. 4. Dimensions (mm)



Technical approvals, conformities

Standards IEC/EN 61810; IEC/EN 60947

