

C12-A20/DC48V
2 pole | Changeover contact | Faston



Main circuit
Available contact materials
Recommended minimum contact load
Maximum contact load AC
Maximum contact load DC
Inrush current
Rated load AC
Rated load DC
Rated current
Mechanical endurance (cycles)
Electrical endurance at rated load AC-1 (cycles)

AgNi
10 mA / 10 V
5 A / 250 V AC-1
5 A / 30 V DC-1
15 A, 20 ms
1 200 VA
fig. 3.
5 A
≥ 10 000 000
≥ 100 000

Control circuit
Nominal voltage
Operating voltage range
Pick-up voltage
Release voltage
Power consumption AC / DC

see table product references
0.8 UN ... 1.1 UN
≤ 0.8 UN
≥ 0.1 UN
1.1 VA / 0.7 W

Coil table
Udc(V)
R(Ω)
I(mA)
48
3 400
13.5

Insulation
Test voltage open contact
Test voltage contact / contact
Test voltage contact / coil
Overvoltage category
Insulation resistance at 500 V
Pollution degree

1 kV / 1 min
3 kV / 1 min
5 kV / 1 min
III
≥ 1 GΩ
3

General data
Storage temperature (no ice)
Operation temperature
Pick-up time / bounce time
Release time / bounce time
Maximum switching frequency at rated load
Dimensions
Weight
Housing material

-40 ... 80 °C
-40 ... 60 °C
10 ms / ≤ 1 ms
5 ms / ≤ 3 ms
1 200 / h
fig. 4.
21 g
PA / PC

Product references
Description
Type
48
DC
C12-A2x/DC...V
✓

Accessories
Socket
S12, S12-PI, S12-P

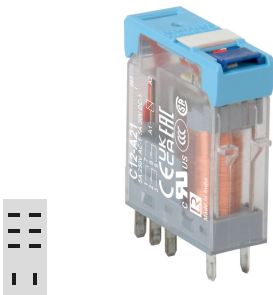


fig. 1. Wiring diagram

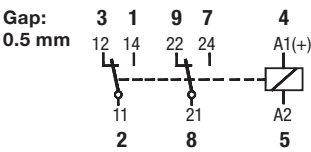


fig. 2. AC voltage endurance

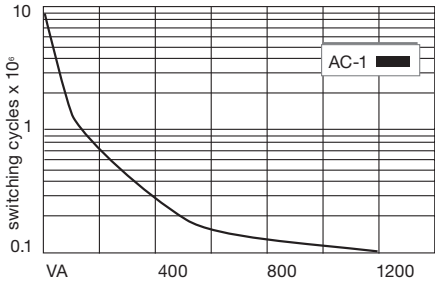


fig. 3. DC load limit curve

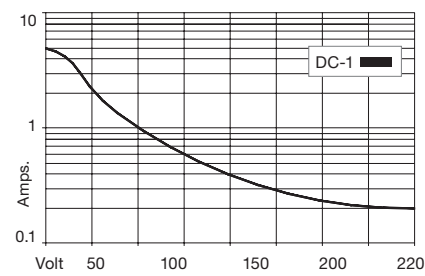
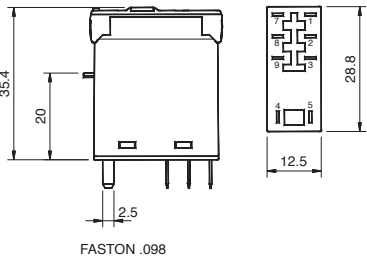


fig. 4. Dimensions (mm)



Technical approvals, conformities

Standards IEC/EN 61810; IEC/EN 60947
Approvals
EAC, CE, UKCA, c, UL, US