



Relay compatible with sockets:

S12, S12-P

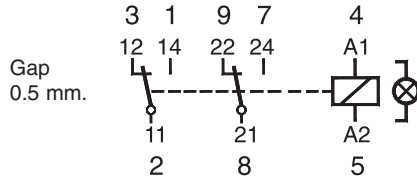


Table 1 Electrical Life, ops. x 10⁶

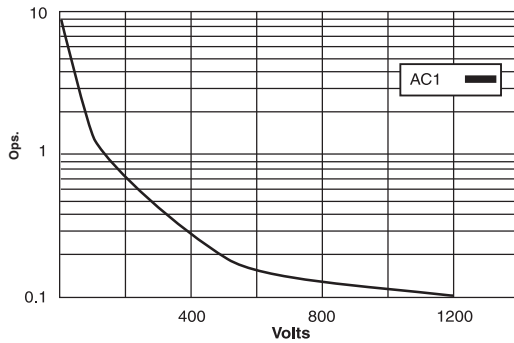
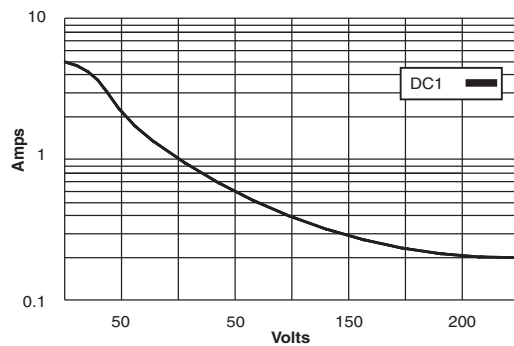
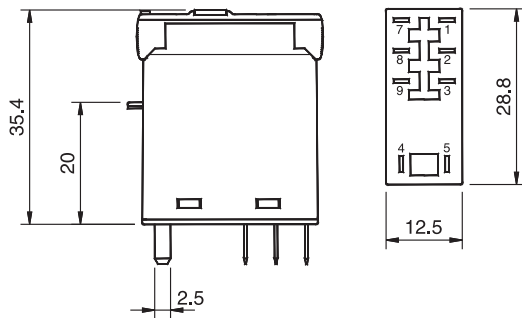


Table 2 Max. DC Load



Dimensions - mm



FASTON .098

C12-A21



Two poles, change-over contacts

5 A 250 V AC1 0.5 A 110 V DC1
5 A 30 V DC1 0.2 A 220 V DC1

Contacts

Materials: Standard, code 1 AgNi + 0.2μ Au
Optional, code 2 AgNi + 10μ Au
Max. switching current 5 A
Max. peak inrush current (20 ms) 15 A
Max. switching voltage 250 V
Max. AC load (Table 1) 1.2 KVA
Max. DC load (Table 2)

Coils (Ohms ±10% @ 20°C)

Pull-in voltage ≤0.8 x U_n
Drop-out voltage ≥0.1 x U_n
Nominal coil power 1.1 VA (AC)/0.7 W (DC)

| VAC | Ω | mA | VDC | Ω | mA |
|-----|--------|-----|-----|--------|------|
| 24 | 290 | 45 | 12 | 224 | 53 |
| 48 | 1,200 | 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

Dielectric strength (1 minute):
Open contacts 1,000 V
Between adjacent poles 3,000 V
Between contact and coil 5 KV
Isolation resistance at 500 V ≥3 GΩ
Isolation, IEC 61810-5: 4 KV/3

Specifications

Operate time + bounce time 10 ms
Release time + bounce time 5 ms
Ambient temperature -40°C (no ice) to +70°C
Mechanical life ops. 10 Mill. AC relays, 20 Mill. DC relays
Electrical life at nominal load ≥100,000 ops.
Operating frequency at nominal load 1,200/hour
Protection degree IP 40/RT1
Weight avg. 21 g

Standard Types

AC 50 Hz, (60 Hz): 24, 48, 115, (120), 230, (240)
X = LED (standard) **C12-A21X..... VAC**
RC suppressor **C12-A21R..... VAC**

DC 12, 24, 48, 110
X = LED, no polarity (standard) **C12-A21X..... VDC**

Options (DC coils)
Polarity and free-wheeling diodes **C12-A21FX... VDC**
AC/DC bridge rectifier (24, 48 or 60 V) **C12-A21BX .. VDC**