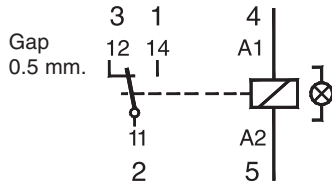


Relay compatible
with sockets:

S10, S10-M, S10-P, S10-K



C10-A10



One pole, change-over contact

10 A 250 V AC1 0.5 A 110 V DC1
10 A 30 V DC1 0.2 A 220 V DC1
13 A 250 V AC1

Contacts

Materials: Standard, code 0 AgNi
 Optional, code 8 AgNi + 10µ Au
 Optional, code 5 AgSnO₂
 Max. switching current 10 A
 Max. peak inrush current (20 ms) 30 A
 Max. switching voltage 250 V
 Max. AC load (Table 1) 2.5 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 |

Table 1 Electrical Life, ops. x 10⁶

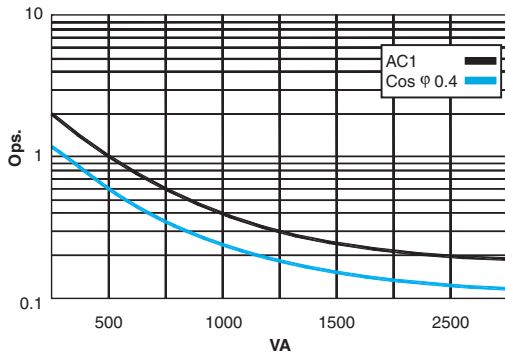
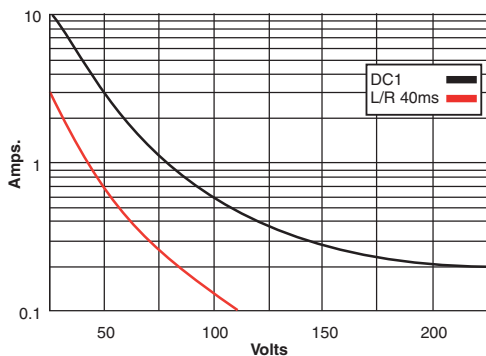


Table 2 Max. DC Load



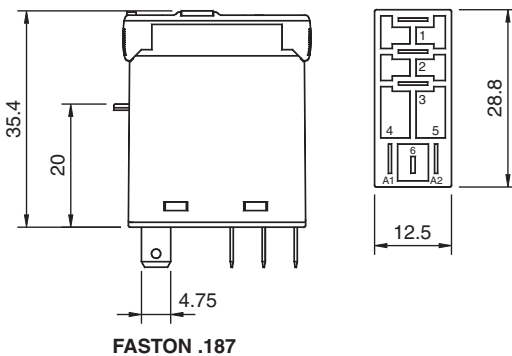
Insulation

Dielectric strength (1 minute):
 Open contacts 1,000 V
 Between contact and coil 5 KV
 Isolation resistance at 500 V ≥1 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, 20 Mill. DC relays
 Electrical life at nominal load ≥100,000 ops.
 Operating frequency at nominal load 1,200/hour
 Protection grade IP 40/RT1
 Weight avg. 21 g

Dimensions - mm



Standard Types

AC 50 Hz, (60 Hz): 24, 48, 115, (120), 230, (240)
X = LED (standard) C10-A10X.....VAC
RC suppressor C10-A10R.....VAC
DC 12, 24, 48, 110
X = LED, no polarity (standard) C10-A10X..... VDC
Options (DC coils)
 Polarity and free-wheeling diodes C10-A10FX... VDC
 AC/DC bridge rectifier (24 or 48 V) C10-A10BX.. VDC



IEC 61810 EN 60947

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