

**Relay compatible
with sockets:**

S4-B, S4-L, S4-P, S4-PO

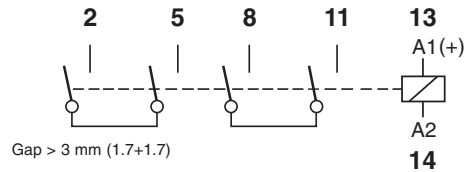


Table 1 Electrical Life, ops. x 10⁶

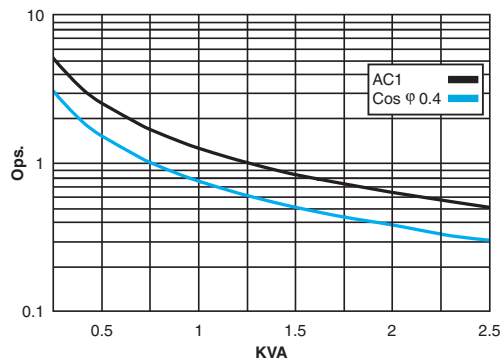
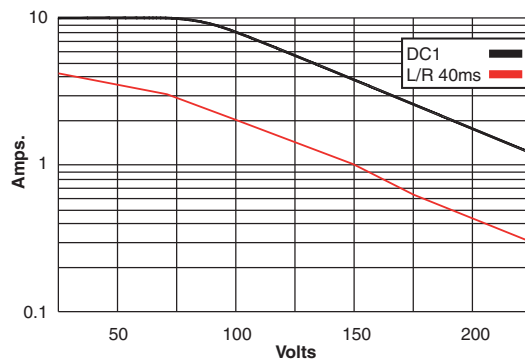
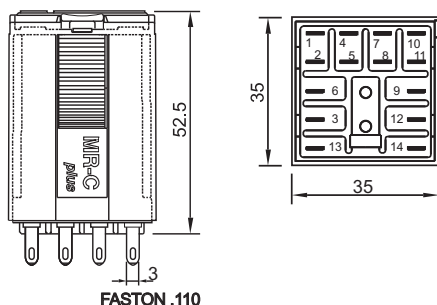


Table 2 Max. DC Load



Dimensions - mm



FASTON .110

C4-X20



Power relay, DC applications
Two pole, N.O., double make

10 A 250 V AC1 7 A @ 110 V DC1
10 A 30 V DC1 1.2 A @ 220 V DC1

Contacts

Materials: Standard, code 0 AgNi
Max. switching current 10 A
Max. peak inrush current (20 ms) 30 A
Max. switching voltage 250 V
Max. AC load (Table 1) 0.5 KVA
Max. DC load (Table 2)

Coils (Ohms ±10% @ 20°)

Pull-in voltage $\leq 0.8 \times U_n$
Drop-out voltage $\geq 0.1 \times U_n$
Nominal coil power 2.4 VA (AC)/1.3 W (DC)

VAC	Ω	mA	VDC	Ω	mA
24	65	100	24	443	54
48	286	50	48	1K8	27
115	1K7	21	110	9K2	12
230	6K8	10	220	36K1	6

Insulation

Dielectric strength (1 minute): Open contacts 2,500 V
Between adjacent poles 2.5 KV
Between contacts and coil 2.5 KV
Isolation resistance at 500 V $\leq 1 \text{ G}\Omega$
Isolation, IEC 61810-5: 2.5 KV/3

Specifications

Operate time + bounce time 20 ms
Release time + bounce time 8 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 $\geq 100,000$ ops.
Operating frequency at nominal load 1,200/hour
Protection degree IP 40/RT1
Weight avg. 90 g

Standard Types

AC 50 Hz, (60 Hz): 24, 48, 115, (120), 230, (240)

X = LED (standard)

RC suppressor

C4-X20X.....VAC

C4-X20R.....VAC

DC 24, 48, 110, 220

X = LED no polarity (standard)

Free-wheeling diode

Polarity and free-wheeling diodes

AC/DC bridge rectifier (24, 48 or 60 V)

C4-X20X..... VDC

C4-X20DX VDC

C4-X20FX..... VDC

C4-X20BX VDC



IEC 61810 EN 60947