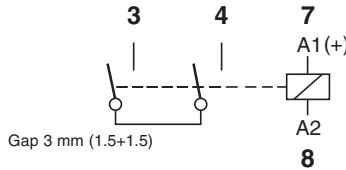


Relay compatible with sockets:

S7-M, S7-L, S7-P, S7-PO, S7-I/O



C7-X10



Power relay, DC application
Single pole, NO, double make

10 A 250 V AC1 6 A 110 V DC1
10 A 30V DC1 1 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) 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 1.5 VA (AC)/1.3 W (DC)

VAC	Ω	mA	VDC	Ω	mA
24	153	62	12	111	108
48	611	31	24	432	55
115	3K6	13	48	1K7	27
230	14K6	6.5	110	9K2	12

Table 1 Electrical Life, ops. x 10⁶

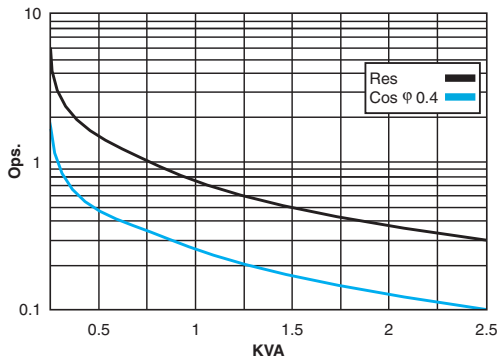
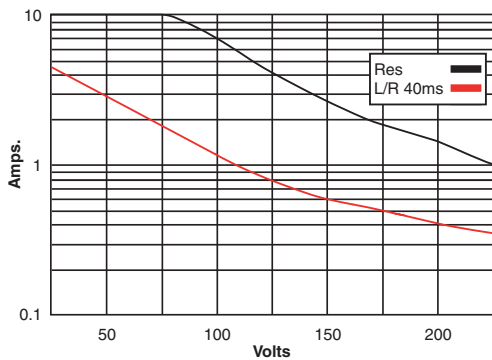


Table 2 Max. DC Load



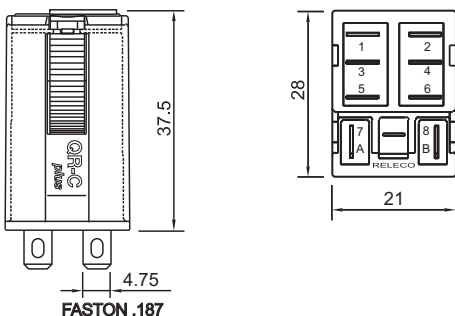
Insulation

Dielectric strength (1 minute):
 Open contacts 2.5 KV
 Between contacts and coil 2.5 KV
 Isolation resistance at 500 V ≥1 GΩ
 Isolation, IEC 61810-5: 2.5 KV/3

Specifications

Operate time + bounce time 20 ms
 Release time + bounce time 10 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 degree IP 40/RT1
 Weight avg. 43 g

Dimensions - mm



Standard Types

AC 50 Hz, (60 Hz): 24, 48, 115, (120), 230, (240)
 X = LED (standard) **C7-X10X.....VAC**

DC 12, 24, 48, 110
 X = LED, no polarity (standard) **C7-X10X..... VDC**
 Free-wheeling diode **C7-X10DX VDC**
 Polarity and free-wheeling diodes **C7-X10FX..... VDC**
 AC/DC bridge rectifier (24, 48 or 60 V) **C7-X10BX VDC**