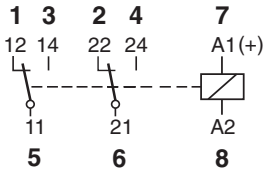


Relay compatible with sockets:

S7-M, S7-L, S7-P, S7-PO, S7-PI



C7-A20

General purpose
Two pole, change-over contacts

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

Contacts

Materials:	Standard, code 0	AgNi
	Optional, code 8	AgNi + 10µ Au
	Optional, code 9	AgNi + 0.2µ Au
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	1.2 VA (AC)/1 W (DC)

VAC	Ω	mA	VDC	Ω	mA
24	174	50	12	148	85
48	686	25	24	594	43
115	4K3	10.4	48	2k3	21
230	18K6	5.2	110	11K4	11

Insulation

Dielectric strength (1 minute): Open contacts	1,000 V
Between adjacent poles	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	16 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	≥100,000 ops.
Operating frequency at nominal load	1,200/hour
Protection degree	IP 40/RT1
Weight avg.	43 g

Standard Types

AC 50 Hz, (60 Hz)**: 24, 48, 72, 115,** (120)**, 230,** (240)

X = LED (standard)	**C7-A20X.....VAC**

DC 12, 24, 48, 72, 110,

X = LED, no polarity (standard)	**C7-A20X..... VDC**
Free-wheeling diode	**C7-A20DX .... VDC**
Polarity and free-wheeling diodes	**C7-A20FX..... VDC**
AC/DC bridge rectifier (24, 48 or 60 V)	**C7-A20BX .... VDC**

Table 1 Electrical Life, ops. x 10^6

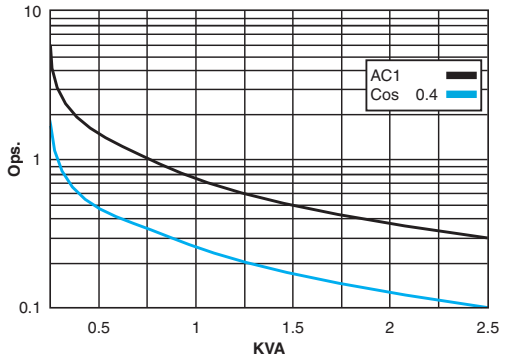
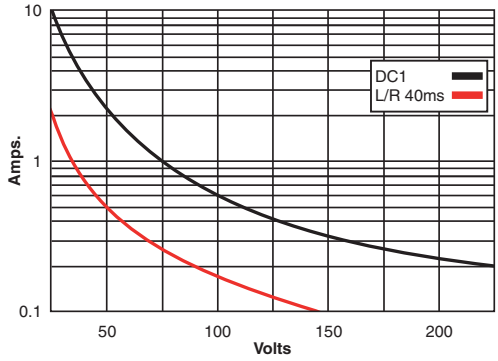
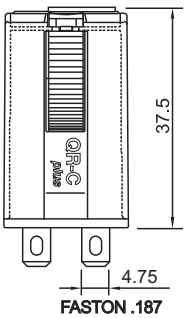
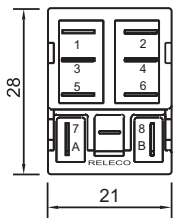


Table 2 Max. DC Load



Dimensions - mm





Lloyd´s IEC 61810 EN 60947