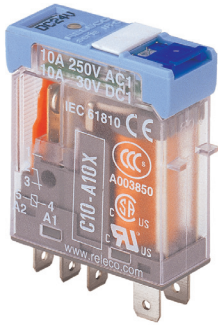


Application	Types		Poles	AC Ratings	DC Ratings	Page	Sockets	Page
General Purpose	C2-A20	Universal 8-Pin, Standard	2	10 A @ 250 V	0.5 A @ 110 V	12	S2	57-58
	C3-A30	Universal 11-Pin, Standard	3	10 A @ 250 V	0.5 A @ 110 V	15	S3	58-60
	C4-A40	Square Base, 4-Pole	4	10 A @ 250 V	0.5 A @ 110 V	24	S4	61-62
	C5-A20	Square Base, AC Power	2	16 A @ 500 V	0.5 A @ 110 V	27	S5	62-64
	C5-A30	Square Base, AC Power	3	16 A @ 400 V	0.5 A @ 110 V	28	S5	62-64
	C7-A10	Miniature, AC Power	1	16 A @ 250 V	0.5 A @ 110 V	34	S7	65-68
	C7-A20	Miniature, AC Power	2	10 A @ 250 V	0.5 A @ 110 V	35	S7	65-68
	C7-A20E	Miniature, AC Power	2	10 A @ 250 V	0.5 A @ 110 V	36	S7	65-68
	C9-A41	Miniature, 14-Pin Plug-in	4	5 A @ 250 V	0.2 A @ 110 V	43	S9	68-69
	C10-A10	Interface Standard	1	10 A @ 250 V	0.5 A @ 110 V	46	S10	70-71
	C12-A21	Interface Standard	2	5 A @ 250 V	0.5 A @ 110 V	49	S12	71-72
Bifurcated Contacts Low Level Loads	C2-T21	Universal 8-Pin Plug-in	2	6 A @ 250 V	6 A @ 30 V	13	S2	57-58
	C3-T31	Universal 11-Pin Plug-in	3	6 A @ 250 V	6 A @ 30 V	16	S3	58-60
	C7-T21	Miniature	2	6 A @ 250 V	6 A @ 30 V	37	S7	65-68
	C10-T13	Interface Twin	1	6 A @ 250 V	6 A @ 30 V	48	S10	70-71
Open Contacts DC Load Switching Flag Not Available	C2-G20	Universal 8-Pin Plug-in	2	10 A @ 250 V	1.2 A @ 110 V	14	S2	57-58
	C3-G30	Universal 11-Pin Plug-in	3	10 A @ 250 V	1.2 A @ 110 V	17	S3	58-60
	C5-G30	Square Base	3	16 A @ 400 V	1.2 A @ 110 V	27	S5	62-64
	C7-G20	Miniature	2	10 A @ 250 V	0.8 A @ 110 V	38	S7	65-68
	C10-G10	Interface N.O.	1	10 A @ 250 V	0.8 A @ 110 V	47	S10	70-71
	C12-G21	Interface N.O.	2	5 A @ 250 V	0.8 A @ 110 V	50	S12	71-72
Double Make DC Load Switching Flag Not Available	C3-X10	11-Pin, DC Power	1	10 A @ 250 V	7 A @ 110 V	19	S3	58-60
	C4-X20	Square Base, DC Power	2	10 A @ 250 V	7 A @ 110 V	25	S4	61-62
	C5-X10	Square Base, DC Power	1	16 A @ 400 V	7 A @ 110 V	30	S5	62-64
	C7-X10	Miniature, DC Power	1	10 A @ 250 V	6 A @ 110 V	39	S7	65-68



Relay compatible
with sockets:

S10, S10-P

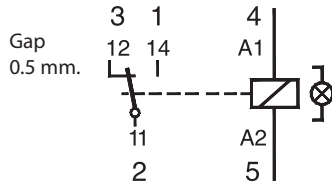


Table 1 Electrical Life, ops. x 10⁶

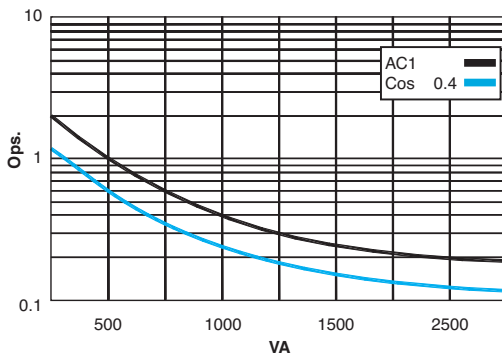
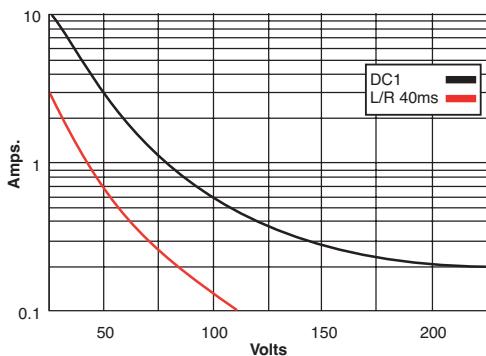
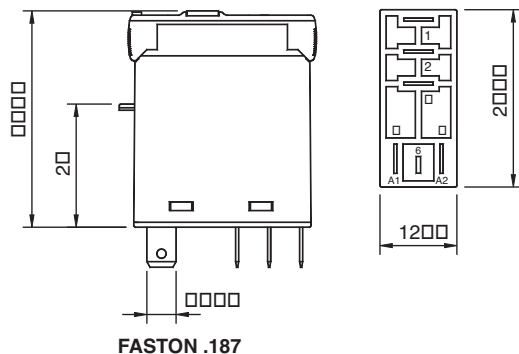


Table 2 Max. DC Load



Dimensions - mm



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 + 5µ Au
	Optional, code 5	AgSnO ₂
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

Insulation

Dielectric strength (1 minute):	
Open contacts	1,000 V
Between contact and coil	5 KV
Insulation resistance at 500 V	≥1 GΩ
Insulation, IEC 61810-1:	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

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 UC



IEC 61810 EN 60947