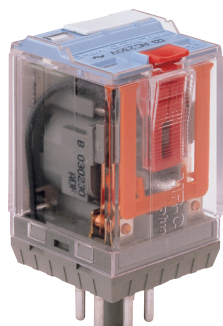


Application	Types		Poles	AC Ratings	DC Ratings	Page	Sockets	Page
General Purpose	C2-A20	Universal 8-Pin, Standard	2	10 A @ 250 V	0.5 A @ 110 V	12	S2	57-58
	C3-A30	Universal 11-Pin, Standard	3	10 A @ 250 V	0.5 A @ 110 V	15	S3	58-60
	C4-A40	Square Base, 4-Pole	4	10 A @ 250 V	0.5 A @ 110 V	24	S4	61-62
	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:**
S2-B, S2-L, S2-PO

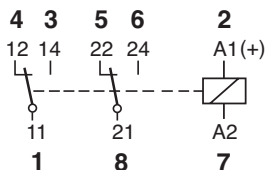


Table 1 Electrical Life, ops. x 10⁶

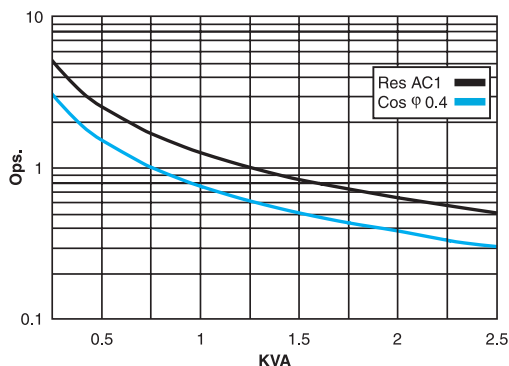
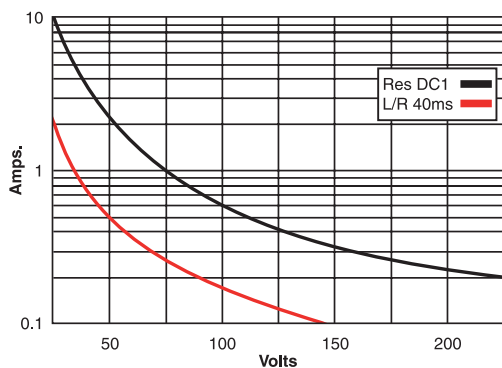
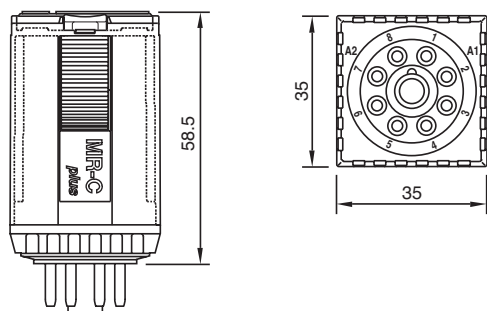


Table 2 Max. DC Load



Dimensions - mm



C2-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 + 5μ 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 $\leq 0.8 \times U_n$
Drop-out voltage $\geq 0.1 \times U_n$
Nominal coil power 2.2 VA (AC)/1.3 W (DC)

VAC	Ω	mA	VDC	Ω	mA
24	67	92	24	433	54
48	296	46	48	1K8	27
115	1K7	19	110	9K2	12
230	7K1	9.5	220	36K1	6

Insulation

Dielectric strength (1 minute): Open contacts 1,000 V
Between adjacent poles 2.5 KV
Between contacts and coil 2.5 KV
Insulation resistance at 500 V $\geq 1 \text{ G}\Omega$
Insulation, 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 +60°C
Mechanical life ops. 10 Mill. AC, 20 Mill. DC relay
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) C2-A20X VAC
RC suppressor C2-A20R..... VAC

DC 24, 48, 110, 220

X = LED, no polarity (standard) C2-A20X VDC
Free-wheeling diode C2-A20DX VDC
Polarity and free-wheeling diodes C2-A20FX VDC
AC/DC bridge rectifier (24, 48 or 60 V) C2-A20BX UC



IEC 61810

EN 60947