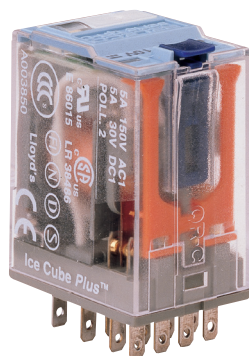


Application	Types		Poles	AC Ratings	DC Ratings	Page	Sockets	Page
General Purpose	C2-A20	Universal 8-Pin, Standard	2	10 A @ 250 V	0.5 A @ 110 V	12	S2	57-58
	C3-A30	Universal 11-Pin, Standard	3	10 A @ 250 V	0.5 A @ 110 V	15	S3	58-60
	C4-A40	Square Base, 4-Pole	4	10 A @ 250 V	0.5 A @ 110 V	24	S4	61-62
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

S9-M, S9-L, S9-P, S9-PO

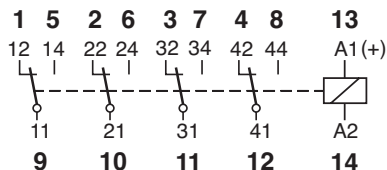


Table 1 Electrical Life, ops. x 10⁶

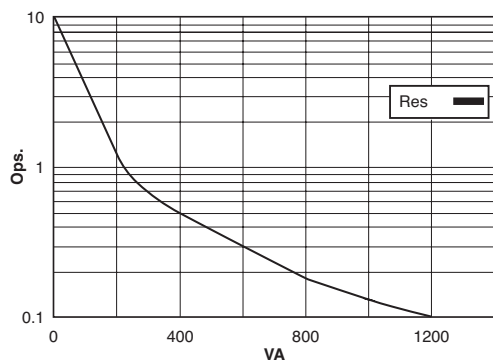
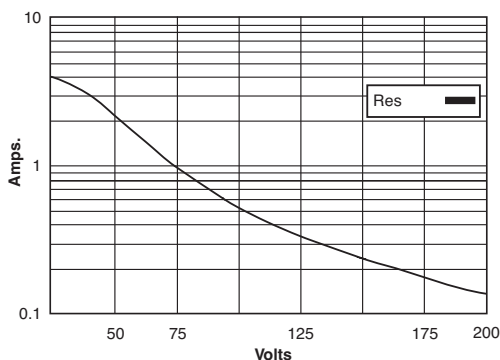
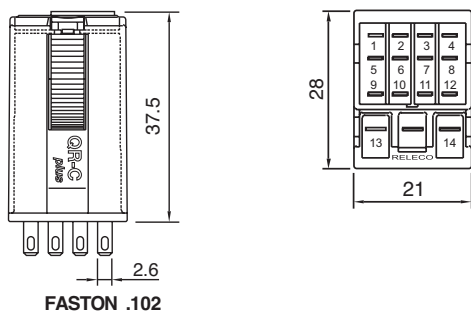


Table 2 Max. DC Load



Dimensions - mm



C9-A41



General purpose

Four pole, change-over contacts

5 A 250 V AC1

5 A 30 V DC1 0.2 A 110 V DC1

Contacts

Materials: Standard, code 1
Optional, code 2

AgNi + 0.2μAu
AgNi + 5μAu

Max. switching current

5 A

Max. peak inrush current (2.5 ms)

15 A

Max. switching voltage

250 V

Max. AC load (Table 1)

1250 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 KV

Between contacts and coil

2.5 KV

Insulation resistance at 500 V

≥1 GΩ

Insulation, IEC 61810-1:

2.5 KV

Specifications

Operate time + bounce time

10 ms

Release time + bounce time

6 ms

Ambient temperature

-40°C (no ice) to +60°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)

C9-A41X VAC

DC 12, 24, 48, 72, 110

X = LED, no polarity (standard)

C9-A41X VDC

Free-wheeling diode

C9-A41DX VDC

Polarity and free-wheeling diodes

C9-A41FX VDC

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

C9-A41BX UC



IEC 61810

EN 60947