



**Relay compatible
with sockets:**

S3-B, S3-S, S3-MP,
S3-MS, S3-L, S3-PO

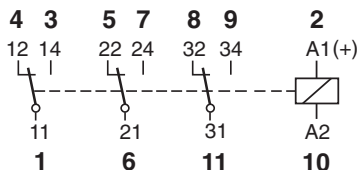


Table 1 Electrical Life, ops. x 10⁶

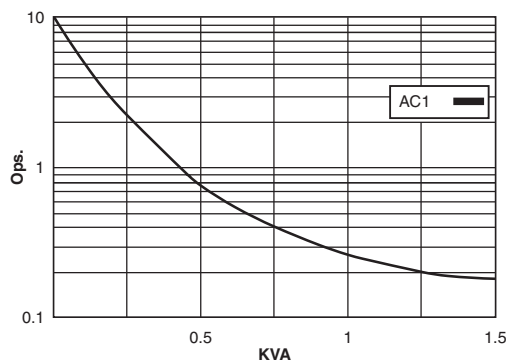
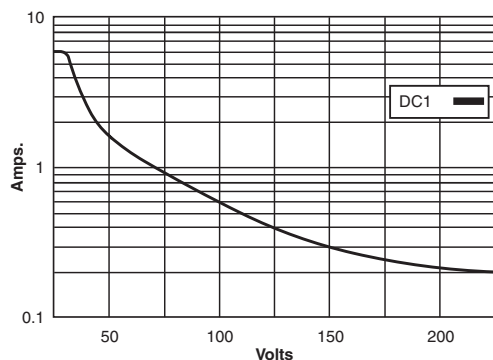
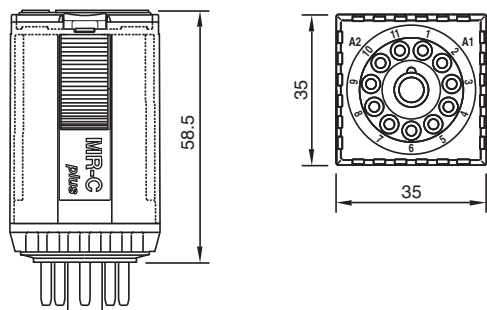


Table 2 Max. DC Load



Dimensions - mm



C3-N34



Sensitive, 800 mW

Three change-over contacts, 6 A

Operating range: 0.8-1.4 x U_N

6 A 250 V AC1 6 A 30 V DC1

Contacts

Materials:	Standard, code 4	AgNi + 0,2μ Au
	Optional, code 8	AgNi + 10μ Au
Max. switching current		6 A
Max. peak inrush current (20 ms)		15 A
Max. switching voltage		250 V
Max. AC load (Table 1)		1.5 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	800 mW

VDC	Ω	mA
24	720	33
48	2K8	17
60	4K5	13
110	15K	7

Insulation

Dielectric strength (1 minute):	Open contacts	1,000 V
	Between adjacent poles	2.5 KV
	Between contacts and coil	2.5 K
Isolation resistance at 500 V		≥3 GΩ
Isolation, IEC 61810-5:		2.5 KV / 3

Specifications

Operate time + bounce time	18 ms
Release time + bounce time	10 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.	90 g

Standard Types

DC 24, 48, 60, 110

C3-N34 VAC

Free-wheeling diode

C3-N34D VDC

Polarity and free-wheeling diodes

C3-N34F VDC

Connecting diodes to the coil will
increase the release time.

LED available upon request.



IEC 61810 EN 60947