

C3-N3x

3 pole | changeover contact | sensitive coil

Maximum contact load	6 A/250 V	AC-1	6 A/30 V	DC-1
Recommended minimum contact load	10 mA/10 V	Code 4		
	5 mA/5 V	Code 8		

Contacts

Material	Standard	Code 4	AgNi + 0.2 μ Au
	Optional	Code 8	AgNi + 5 μ Au
Rated Load			5 A
Max. inrush current (20 ms)			30 A
Switching voltage max.			250 V
AC load fig. 1			1.5 kVA
DC load			see fig. 2

Coil

Coil resistance	see table; tolerance ± 10 %
Pick-up voltage	≤ 0.8 x U _n
Release voltage	≥ 0.1 x U _n
Nominal power	800 mW

Coil table

V AC	Ω	mA	V DC	Ω	mA
24	67	92	24	480	50
48	296	46	48	1K8	26
115	1K7	19	110	9K	12
230	7K1	9.5	220	36K1	6

Insulation

Contact open	1000 V
Contact/contact	2.5 kV
Contact/coil	2.5 kV
Insulation resistance at 500 V	≥ 1 G.Ω
Insulation, IEC 61810-1	2.5 kV

Specifications

Ambient temperature operation/storage	-40...60 °C / -40 ... 80 °C (no ice)
Pick-up time/bounce time	18 ms / ≤ 3 ms
Release time/bounce time	10 ms / ≤ 1 ms
Mechanical life ops	DC: 20 Mill.
DC voltage endurance at rated load	≥ 100 000 switching cycles
Max. switching frequency at rated load	1200/h
Weight	90 g

Product References

V DC 24, 48, 60, 110

Free wheeling diode

Polarity and free wheeling diode

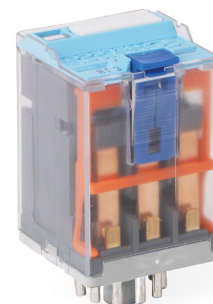
Other voltages on request

C3-N34/DC ... V	C3-N38/DC ... V
C3-N34D/DC ... V	C3-N38D/DC ... V
C3-N34F/DC ... V	C3-N38F/DC ... V

"..." List Coil Voltage to complete Product References

Accessories

Socket	S3-B, S3-S, S3-PO, S3-M, S3-M0, S3-M1
Blanking Plug	SO-NP (BAG 10 PCS)



Connection diagram

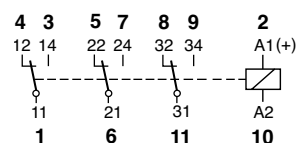


fig. 1 AC voltage endurance

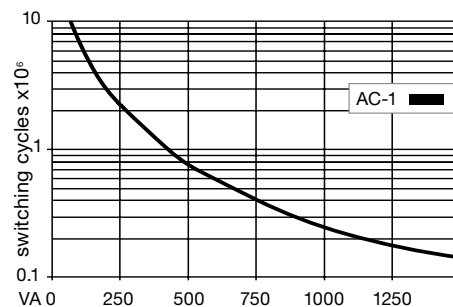
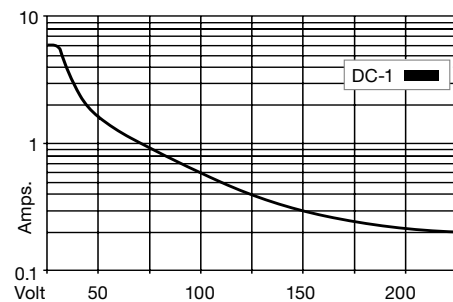
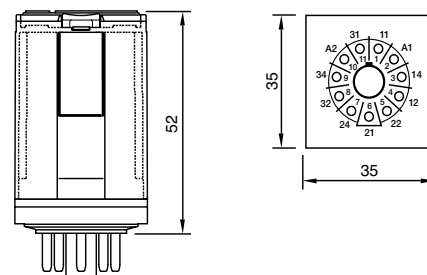


fig. 2 DC load limit curve



Dimensions (mm)



Technical approvals, conformities



IEC/EN 61810; IEC/EN 60947