

C3-A3x

3 pole | changeover contact | plug-in



Maximum contact load	10 A/250	AC-1	0.5 A/110 V	DC-1
	10 A/30	DC-1	0.2 A/220 V	DC-1
Recommended minimum contact load	10 mA/10 V	Code 0, 9		
	5 mA/5 V	Code 8		

Contacts

Material	Standard	Code 0	⚡ AgNi
	Optional	Code 8	⚡ AgNi + 5 μ Au
	Optional	Code 9	⚡ AgNi + 0.2 μ Au
Rated Load			10 A
Switch-on current max. (20 ms)			30 A
Switching voltage max.			250 V
AC load (Fig 1)			2.5 kVA
DC load			see Fig. 2

Coil

Coil resistance	see table; tolerance ± 10 %
Pick-up voltage	≤ 0.8 × U _N
Release voltage	≥ 0.1 × U _N
Nominal power	2.2 VA (AC)/1.3 W (DC)

Coil table

V AC	Ω	mA	VDC	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

	Volt rms / 1 min
Contact open	1000 V
Contact/contact	2.5 kV
Contact/coil	2.5 kV
Insulation resistance at 500 V	≥ 1 GΩ
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	16 ms/≤ 3 ms
Release time/bounce time	8 ms/≤ 1 ms
Mechanical life ops	AC: 10 Mill./DC: 20 Mill.
DC voltage endurance at rated load	≥ 100 000 switching cycles
Switching frequency at rated load	≤ 1200/ops/h
Weight	81 g

Product References

V AC 50 Hz/60 Hz: 24, 48, 115 (120), 230 (240)

LED

RC Suppressor

VDC 24, 48, 110, 220

LED

Free wheeling diode

Polarity and free wheeling diode

AC/DC bridge rectifier 24 V, 48 V, 60 V

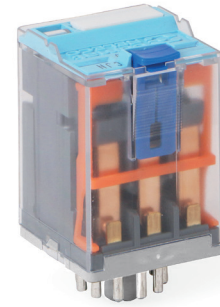
Other voltages on request

C3-A30/AC ... V	C3-A38/AC ... V	C3-A39/AC ... V
C3-A30X/AC ... V	C3-A38X/AC ... V	C3-A39X/AC ... V
C3-A30R/AC ... V	C3-A38R/AC ... V	C3-A39R/AC ... V
C3-A30/DC ... V	C3-A38/DC ... V	C3-A39/DC ... V
C3-A30X/DC ... V	C3-A38X/DC ... V	C3-A39X/DC ... V
C3-A30DX/DC ... V	C3-A38DX/DC ... V	C3-A39DX/DC ... V
C3-A30FX/DC ... V	C3-A38FX/DC ... V	C3-A39FX/DC ... V
C3-A30BX/UC ... V	C3-A38BX/UC ... V	C3-A39BX/UC ... V

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

Accessories (See also Section Sockets)

Socket:	S3-B, S3-S, S3-L, S3-PO, S3-MB0, S3-MB1
Blanking Plug:	SO-NP (BAG 10 PCS)



Connection diagram

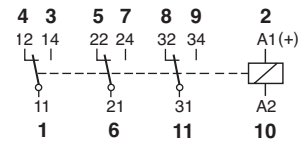


Fig.1 AC voltage endurance

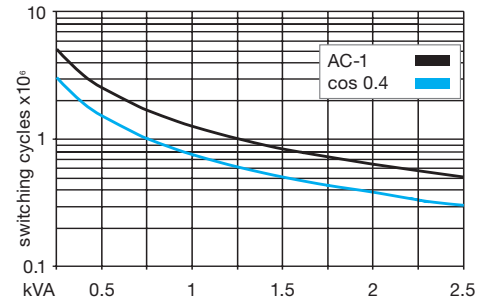
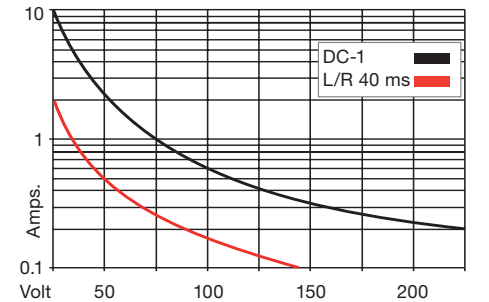
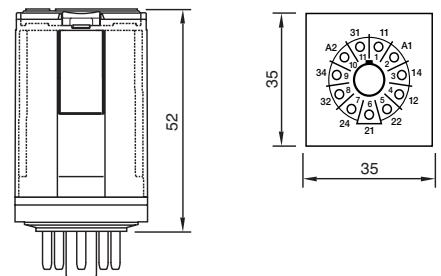


Fig. 2 DC load limit curve



Dimensions



Technical approvals, conformities



IEC/EN 61810; IEC/EN 60947