

Product SPECIFICATION SHEET



C3 RELAYS

C3-A3x

11-pin standard relays, 3-pole, plug-in, IEC 61810

Type	C3-A3x/ ... V Standard relays, 3 change-over contacts				
Maximum contact load	10 A/250 V	AC-1	0,5 A/110 V	DC-1	
	10 A/30 V	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 + 10 µ Au
	Optional	Code 9	AgNi + 0,2 µ Au

Rated current

Switch-on current max. (20 ms)

Switching voltage max.

AC load (Fig 1)

DC load

10 A
30 A
250 V
2,5 kVA
see Fig. 2

Coil

Coil resistance

Pick-up voltage

Release voltage

Nominal power

see table; tolerance ± 10 %

≤ 0,8 x U_N

≥ 0,1 x U_N

2,2 VA (AC)/1,3 W (DC)

Coil table

VAC	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

Contact open

Contact/contact

Contact/coil

Insulation resistance at 500 V

Insulation, IEC 61810-1

Volt rms, 1 min

1000 V

2,5 kV

2,5 kV

≥ 1 GΩ

2,5 kV/3

Specifications

Ambient temperature operation/storage

Pick-up time/bounce time

Release time/bounce time

Mechanical life ops

DC voltage endurance at rated load

Switching frequency at rated load

Protection class

Weight

-40 (no ice)...60 °C / -40 ... 80 °C

16 ms/≤ 3 ms

8 ms/≤ 1 ms

AC: 10 Mill./DC: 20 Mill.

≥ 100000 switching cycles

≤ 1200/ops/h

IP40

81 g

Standard types

VAC 50 Hz/60 Hz: 24, 48, 115 (120), 230 (240)
LED

VDC 24, 48, 110, 220

LED

Free wheeling diode

Polarity and free wheeling diode

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

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-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

"..." Enter the voltage for full type designation

Accessories

Socket:

Optional accessories (blanking plug):

Retaining clip, plastic:

S3-B, S3-S, S3-L, S3-P, S3-P0

SO-NP, SO-OP

S30-CM



Connection diagram

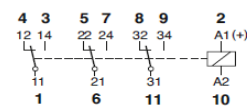


Fig. 1 AC voltage endurance

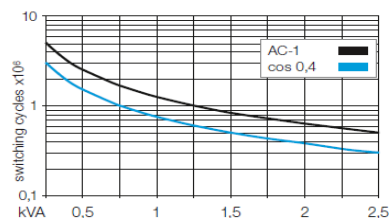
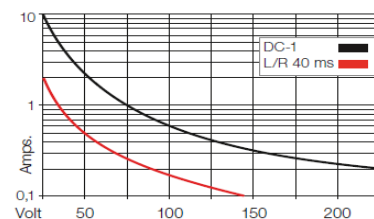
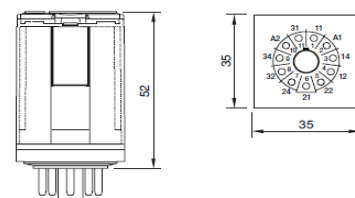


Fig. 2 DC load limit curve



Dimensions [mm]



Technical approvals, conformities



BRANCH CONTACT DETAILS

Johannesburg	010 202 3300
Germiston	011 418 9600
Cape Town	021 510 0710
Pinetown	031 700 4215
Riverhorse	031 492 4800

NATIONAL CALL CENTRE

Sales 010 202 3400
Technical 010 202 3500

www.acdc.co.za