

Product SPECIFICATION SHEET

C2 RELAYS

C2-A2x

8-pin standard relay, 2-pole, plug-in according to IEC 67-I-5a

Type	C2-A2x/ ... V Standard relay, 2 change-over contacts			
Maximum contact load	10 A/250 V AC1	0,5 A/110 V DC1		
	10 A/30 V DC1	0,2 A/220 V DC1		
Recommended minimum contact load	1 mA/10 V (with 10 µm Au) 10 mA/10 V (Standard contact)			

Contacts

Material	Standard	Code 0	AgNi
	Optional	Code 8	AgNi + 10 µm Au
	Optional	Code 9	AgNi + 0,2 µm Au

Max. switching current
Max. peak inrush current (20 ms.)
Max. switching voltage
Max. AC load (Table 1)
Max. DC load

10 A
30 A
250 V
2,5 kVA
See Table 2

Coils

Coil resistance see table; tolerance $\pm 10\%$
Pull-in voltage $\geq 0,8 \times U_N$
Pull-in voltage $\geq 0,1 \times U_N$
Nominal power 2,2 VA (AC)/1,3 W (DC)

Table

VAC	Ω	mA	VDC	Ω	mA
12	-	-	12	110	110
24	67	92	24	433	54
48	296	46	48	1K8	27
115	1K7	19	110	9K2	12

Insulation

Open contact 1000 V
Between adjacent poles 2,5 kV
Between contacts and coil 2,5 kV
Insulation resistance at 500 V $\geq 1 \text{ G}\Omega$
Insulation, IEC 61810-5 2,5 kV/3

Specifications

Ambient temperature -40 (no ice)...60 °C / -40 ... 80 °C
Operate time + bounce time 16 ms $\geq 3 \text{ ms}$
Release time + bounce time 8 ms $\geq 1 \text{ ms}$
Mechanical life ops. AC: 10 Mill./DC: 20 Mill. relays
AC voltage endurance at rated load $\geq 100000 \text{ ops.}$
Operating frequency at nominal load $\leq 1200/\text{h}$
Protection degree IP40
Weight 90 g

Standard types

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

LED

RC Suppressor

DC 24, 48, 110, 220

LED

Free wheeling diode

VPolarity and free wheeling diode

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

C2-A20/AC ... V	C2-A28/AC ... V	C2-A29/AC ... V
C2-A20X/AC ... V	C2-A28X/AC ... V	C2-A29X/AC ... V
C2-A20R/AC ... V	C2-A28R/AC ... V	C2-A29R/AC ... V
C2-A20/DC ... V	C2-A28/DC ... V	C2-A29/DC ... V
C2-A20X/DC ... V	C2-A28X/DC ... V	C2-A29X/DC ... V
C2-A20DX/DC ... V	C2-A28DX/DC ... V	C2-A29DX/DC ... V
C2-A20FX/DC ... V	C2-A28FX/DC ... V	C2-A29FX/DC ... V
C2-A20BX/UC ... V	C2-A28BX/UC ... V	C2-A29BX/UC ... V

"..." Relay compatible with sockets S2-B, S2-S, S2-L and S2-PO

Relay compatible with sockets

S2-B, S2-S, S2-L, S2-P, S2-PO
SO-NR, SO-OP



Connection diagram

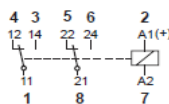


Fig. 1 AC voltage endurance

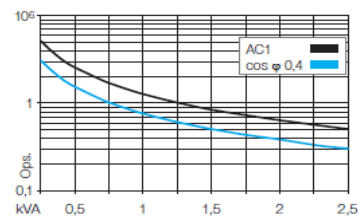
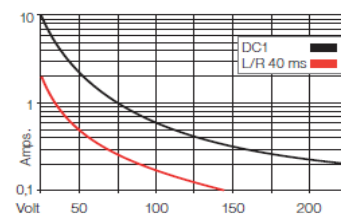
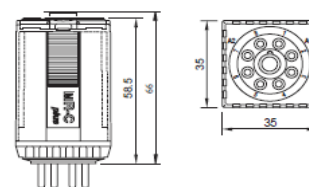


Fig. 2 DC load limit curve



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