

C3-E2x

11-pin standard relays, sensitive, 2-pole, according to IEC 67-I-18a

Type	C3-E2x/ DC... V Sensitive relays, 500 mW, 2 change-over contacts			
Operating range	0,8 ... 1,7 x Un			
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 + 10 μ Au
Rated current	6 A		
Switch-on current max. (20 ms)	15 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	500 mW

Coil table																
	<table border="1"> <thead> <tr> <th>VDC</th> <th>Ω</th> <th>mA</th> </tr> </thead> <tbody> <tr> <td>24</td> <td>1K1</td> <td>21</td> </tr> <tr> <td>48</td> <td>4K6</td> <td>10</td> </tr> <tr> <td>60</td> <td>7K2</td> <td>8,3</td> </tr> <tr> <td>110</td> <td>24K2</td> <td>4,5</td> </tr> </tbody> </table>	VDC	Ω	mA	24	1K1	21	48	4K6	10	60	7K2	8,3	110	24K2	4,5
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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/3

Specifications	
Ambient temperature operation/storage	-40 (no ice)...60 °C / -40 ... 80 °C
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	≥100000 switching cycles
Switching frequency at rated load	≤ 1200/ops/h
Protection class	IP40
Weight	90 g

Standard types		
VDC 24, 48, 60, 110	C3-E24/DC ... V	C3-E28/DC ... V
Free wheeling diode	C3-E24D/DC ... V	C3-E28D/DC ... V
Polarity and free wheeling diode	C3-E24F/DC ... V	C3-E28F/DC ... V

Connection of diodes to the coil will increase the release time.
LED available upon request.

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

Accessories	
Socket:	S3-B, S3-S, S3-L, S3-P, S3-P0
Optional accessories (blanking plug):	SO-NP, SO-OP



Connection diagram

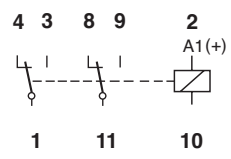


Fig. 1 AC voltage endurance

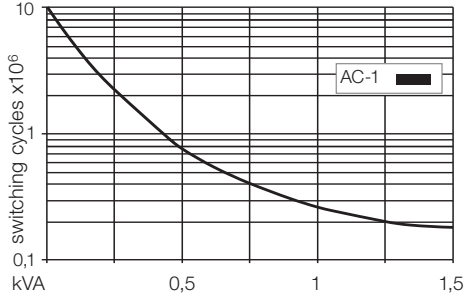
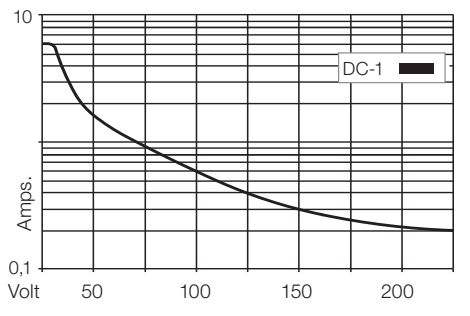
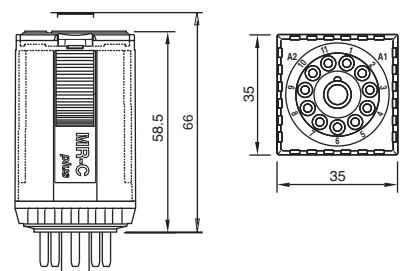


Fig. 2 DC load limit curve



Dimensions [mm]



Technical approvals, conformities



IEC 61810; EN 60947