

MRC series

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	AC1	6 A/30 V	DC1																
Recommended minimum contact load	10 mA/10 V	Code 4																		
	5 mA/5 V	Code 8																		
Contacts																				
Material	Standard, Optional,	Code 4 Code 8	AgNi + 0,2 µ Au 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><tr><th>VDC</th><th>Ω</th><th>mA</th></tr><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></table>					VDC	Ω	mA	24	1K1	21	48	4K6	10	60	7K2	8,3	110	24K2	4,5
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24	1K1	21																		
48	4K6	10																		
60	7K2	8,3																		
110	24K2	4,5																		
Insulation																				
Contact open	Volt rms, 1 min 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

Free wheeling diode

Polarity and free wheeling diode

C3-E24/DC ... V

C3-E24D/DC ... V

C3-E24F/DC ... V

C3-E28/DC ... V

C3-E28D/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:

Optional accessories (blanking plug):

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

SO-NP, SO-OP



Connection diagram

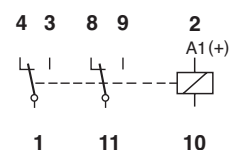


Fig. 1 AC voltage endurance

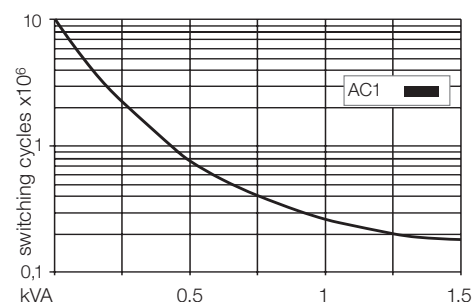
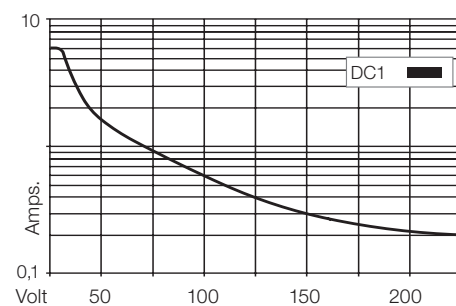
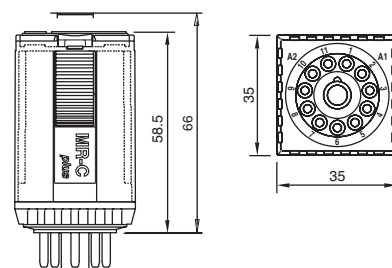


Fig. 2 DC load limit curve



Dimensions [mm]



Technical approvals, conformities



IEC 61810; EN 60947