

C3-M1x

11-pin power relay, 1-pole, magnetic blow out, according to IEC 67-I-18a

Type	C3-M1x/ ... V Power relays, DC, application 1 pole, magnetic blow out
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Maximum contact load	10 A 250 V AC1 10 A 220 V DC1 3,6 A 110 V L/R 40ms 2 A 220 V L/R 40ms
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Contacts			
Material	Standard	Code 0	AgNi
Rated current			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 x U _N
Release voltage	≥ 0,1 x U _N
Nominal power	2,4 VA (AC) / 1,3 W (DC)

Coil table																															
	<table border="1"> <thead> <tr> <th>VAC</th> <th>Ω</th> <th>mA</th> <th>VDC</th> <th>Ω</th> <th>mA</th> </tr> </thead> <tbody> <tr> <td>24</td> <td>65</td> <td>100</td> <td>24</td> <td>443</td> <td>54</td> </tr> <tr> <td>48</td> <td>286</td> <td>50</td> <td>48</td> <td>1K7</td> <td>27</td> </tr> <tr> <td>115</td> <td>1K7</td> <td>21</td> <td>110</td> <td>9K2</td> <td>12</td> </tr> <tr> <td>230</td> <td>6K8</td> <td>10</td> <td>220</td> <td>36K1</td> <td>6</td> </tr> </tbody> </table>	VAC	Ω	mA	VDC	Ω	mA	24	65	100	24	443	54	48	286	50	48	1K7	27	115	1K7	21	110	9K2	12	230	6K8	10	220	36K1	6
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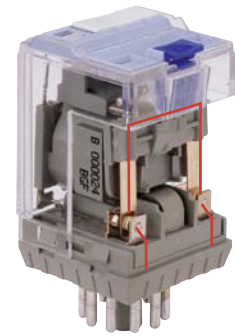
Insulation	Volt rms, 1 min
Contact open	2500 V
Contact/contact	2,5 kV
Contact/coil	2,5 kV
Insulation resistance at 500 V	≥ 1 G.Ω
Insulation, IEC 61810-1:	2,5 KV / 3

Specifications	
Ambient temperature operation/storage	-40 (no ice)...60 °C / -40 ... 80 °C
Nominal coil power	2,4 VA (AC), 1,3 W (DC)
Pick-up time/bounce time	20 ms/≤ 3 ms
Release time/bounce time	10 ms/≤ 1 ms
Isolation: EN 60947, pollution rate 3, Gr C	250 V
Dielectric strength, Contact/Coil	2,5 KV

Standard types	
VAC 50 Hz/60 Hz: 24, 48, 115 (120), 230 (240)	C3-M10/AC ... V
LED	C3-M10X/AC ... V
RC Suppressor	C3-M10R/AC ... V
VDC 24, 48, 110, 220	C3-M10/DC ... V
LED	C3-M10X/DC ... V
Free wheeling diode	C3-M10DX/DC ... V
Polarity and free wheeling diode	C3-M10FX/DC ... V
AC/DC bridge rectifier 24 V, 48 V, 60 V	C3-M10BX/UC ... V

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

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



Connection diagram

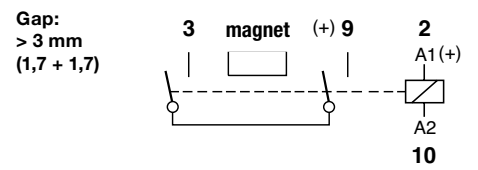


Fig. 1 AC voltage endurance

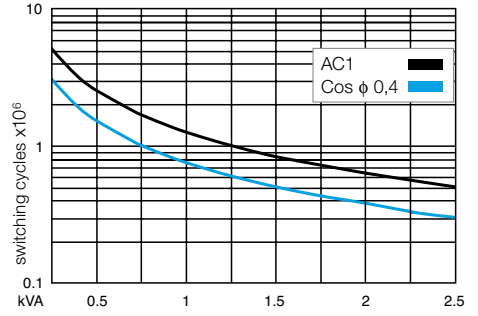
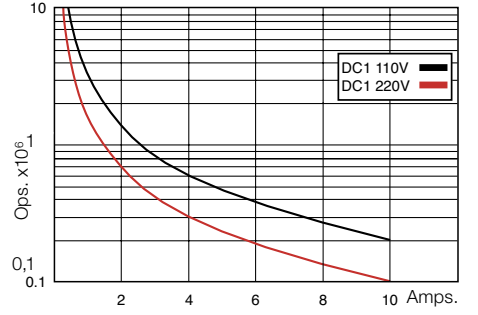
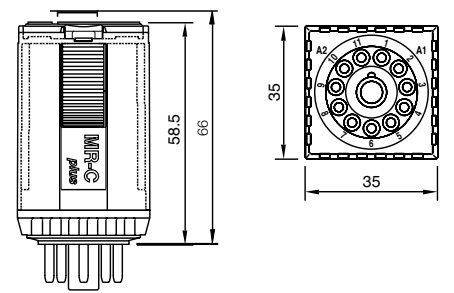


Fig. 2 DC voltage endurance



Dimensions [mm]



Technical approvals, conformities



IEC 61810; EN 60947