

MRC series
C5-X1x
11-pin, power relay, 1-pole, double make, faston

Type	C5-X1x/ ... V Power relays, DC application 1 pole, NO, double make		
Maximum contact load	16 A/400 V AC1 16 A/30 V DC13	7 A/110 V DC1 1,2 A/220 VDC13	
Contacts	Material Standard Code 0 AgNi Rated current 16 A Switch-on current max. (20 ms) 40 A Switching voltage max. 400 V AC load 4 kVA DC load see Fig. 2		

Coil	see table; tolerance ± 10 %
Coil resistance	≥ 0,8 x U _N
Pick-up voltage	≥ 0,1 x U _N
Release voltage	2,4 VA (AC)/1,3 W (DC))
Nominal power	

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>12</td> <td>110</td> <td>108</td> </tr> <tr> <td>48</td> <td>286</td> <td>50</td> <td>24</td> <td>443</td> <td>54</td> </tr> <tr> <td>115</td> <td>1K7</td> <td>21</td> <td>48</td> <td>1K8</td> <td>27</td> </tr> <tr> <td>230</td> <td>6K8</td> <td>10</td> <td>110</td> <td>9K</td> <td>12</td> </tr> <tr> <td>400</td> <td>18K8</td> <td>6</td> <td>220</td> <td>34K5</td> <td>6,5</td> </tr> </tbody> </table>	VAC	Ω	mA	VDC	Ω	mA	24	65	100	12	110	108	48	286	50	24	443	54	115	1K7	21	48	1K8	27	230	6K8	10	110	9K	12	400	18K8	6	220	34K5	6,5
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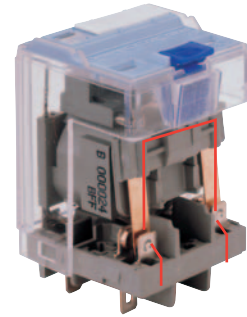
Insulation	Volt rms, 1 min
Contact open	4 kV
Contact/contact	4 kV
Contact/coil	4 kV
Insulation resistance at 500 V	≥ 3 GΩ
Insulation, IEC 61810-5	4 kV/3

Specifications	
Ambient temperature operation/storage	-40 (no ice)...60 °C / -40 ... 80 °C
Pick-up time/bounce time	20 ms/≤ 3 ms
Release time/bounce time	10 ms/≤ 1 ms
Mechanical life	AC: 10 Mill./DC: 20 Mill. switching cycles
AC voltage endurance at rated load	≥ 100000 switching cycles
Switching frequency at rated load	≤ 1200/h
Protection class	IP40
Weight	90 g

Standard types	
AC 50 Hz/60 Hz: 24, 48, 115, (120), 230, (240)	C5-X10/AC ... V
LED	C5-X10X/AC ... V
RC suppressor	C5-X10R/AC ... V
DC 24, 48, 110, 220	C5-X10/DC ... V
LED	C5-X10X/DC ... V
Free wheeling diode	C5-X10DX/DC ... V
Polarity and free wheeling diode	C5-X10FX/DC ... V
AC/DC bridge rectifier 24 V, 48 V, 60 V	C5-X10BX/UC ... V

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

Accessories	
Socket:	S5-S, S5-L, S5-P, S5-P0
Operational accessories (blanking plug):	SO-NP, SO-OP



Connection diagram

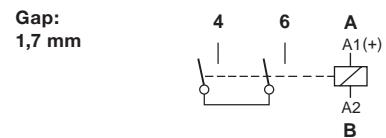


Fig. 1 AC voltage endurance

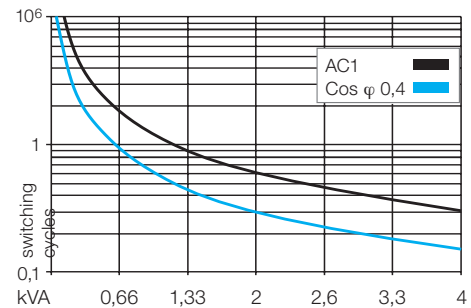
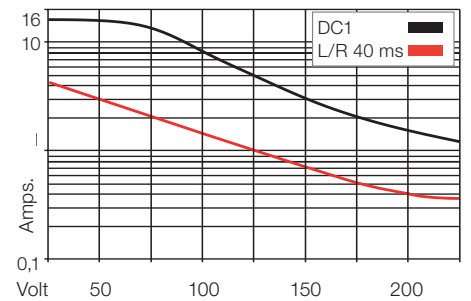
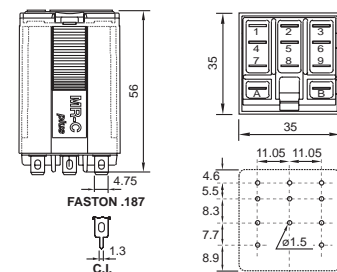


Fig. 2 DC load limit curve



Dimensions [mm]



Technical approvals, conformities



IEC 61810; EN 60947