

**MRC series**  
**C2-G2x**  
**8-pin standard relay, 2-pole according to IEC 67-I-5a**

<b>Type</b>	<b>C2-G2x/ ... V</b> Standard relays, DC application 2 open contacts		
<b>Maximum contact load</b>	<b>10 A/250 V AC1</b>	<b>1,2 A/110 V DC1</b>	
	<b>10 A/30 V DC1</b>	<b>0,4 A/220 V DC1</b>	
<b>Contacts</b>			
Material	Standard	Code 0	AgNi
Rated current			10 A
Switch-on current max. (20 ms)			30 A
Switching voltage max.			250 V
AC load			2,5 kVA
DC load			see Fig. 2

<b>Coil</b>			
Coil resistance			see table; tolerance $\pm 10\%$
Pick-up voltage			$\leq 0,8 \times U_N$
Release voltage			$\geq 0,1 \times U_N$
Nominal power			2,4 VA (AC)/1,6 W (DC)

<b>Coil table</b>						
<b>VAC</b>	<b><math>\Omega</math></b>	<b>mA</b>	<b>VDC</b>	<b><math>\Omega</math></b>	<b>mA</b>	
24	65	100	24	360	66	
48	286	50	48	1K4	34	
115	1K7	21	110	7K6	15	
230	6K8	10	220	30K3	7,5	

<b>Insulation</b>	Volt rms, 1 min
Contact open	2000 V
Contact/contact	2,5 kV
Contact/coil	2,5 kV
Insulation resistance at 500 V	$\geq 1 \text{ G}\Omega$
Insulation, EN 61810-5	2,5 kV/3

<b>Specifications</b>	
Ambient temperature operation/storage	-40 (no ice)...60 °C / -40 ... 80 °C
Pick-up time/bounce time	16 ms/ $\leq 3$ ms
Release time/bounce time	8 ms/ $\leq 1$ ms
Mechanical life	AC: 10 Mill./DC: 20 Mill. switching cycles
AC voltage endurance at rated load	$\geq 100000$ switching cycles
Switching frequency at rated load	$\leq 1200$ /h
Protection class	IP40
Weight	90 g

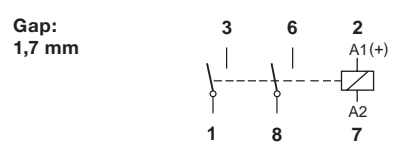
<b>Standard types</b>	
<b>AC 50 Hz/60 Hz: 24, 48, 115, (120), 230, (240)</b>	<b>C2-G20/AC ... V</b>
<b>LED</b>	<b>C2-G20X/AC ... V</b>
<b>RC Suppressor</b>	<b>C2-G20R/AC ... V</b>
<b>DC 24, 48, 110, 220</b>	<b>C2-G20/DC ... V</b>
<b>LED</b>	<b>C2-G20X/DC ... V</b>
<b>Free wheeling diode</b>	<b>C2-G20DX/DC ... V</b>
<b>Polarity and free wheeling diode</b>	<b>C2-G20FX/DC ... V</b>
<b>AC/DC bridge rectifier 24 V, 48 V, 60 V</b>	<b>C2-G20BX/UC ... V</b>

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

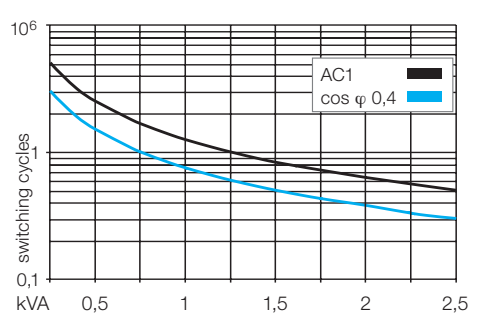
<b>Accessories</b>	
Socket:	<b>S2-B, S2-S, S2-L, S2-P, S2-P0</b>
Operational accessories (blanking plug):	<b>SO-NP, SO-OP</b>



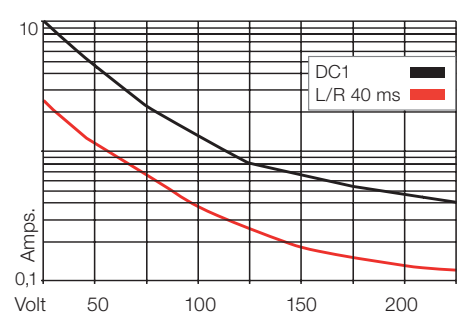
**Connection diagram**



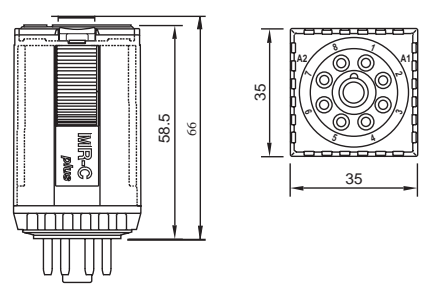
**Fig. 1 AC voltage endurance**



**Fig. 2 DC load limit curve**



**Dimensions [mm]**



**Technical approvals, conformities**

