

Type	C2-G2x/ ... V Standard relays, DC application 2 open contacts		
-------------	--	--	--

Maximum contact load	10 A/250 V AC1	1,2 A/110 V DC1
	10 A/30 V DC1	0,4 A/220 V DC1

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 $\pm 10\%$
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)

Coil table	VAC	Ω	mA	VDC	Ω	mA
	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

Insulation	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 61810-1	2,5 kV/3

Specifications	
Ambient temperature operation/storage	-40 (no ice)...60 °C /-40 ... 80 °C
Pick-up time/bounce time	20 ms/ $\leq 3 \text{ ms}$
Release time/bounce time	8 ms/ $\leq 1 \text{ ms}$
Mechanical life ops	AC: 10 Mill./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	C2-G20/AC ... V
VAC 50 Hz/60 Hz: 24, 48, 115 (120), 230 (240)	C2-G20X/AC ... V
LED	C2-G20R/AC ... V
RC Suppressor	C2-G20/DC ... V
VDC 24, 48, 110, 220	C2-G20X/DC ... V
LED	C2-G20DX/DC ... V
Free wheeling diode	C2-G20FX/DC ... V
Polarity and free wheeling diode	C2-G20BX/UC ... V
AC/DC bridge rectifier 24 V, 48 V, 60 V	

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

Accessories	
Socket:	S2-B, S2-S, S2-L, S2-P, S2-P0
Optional accessories (blanking plug):	SO-NP, SO-OP



Connection diagram

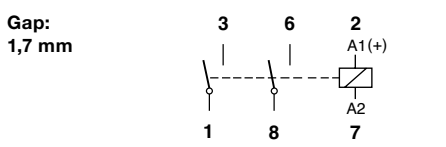


Fig. 1 AC voltage endurance

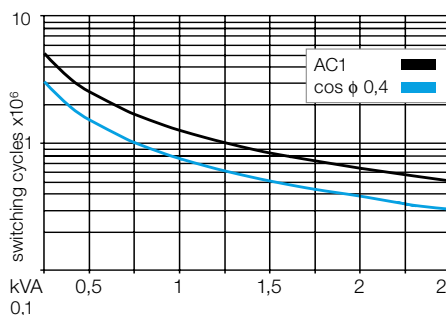
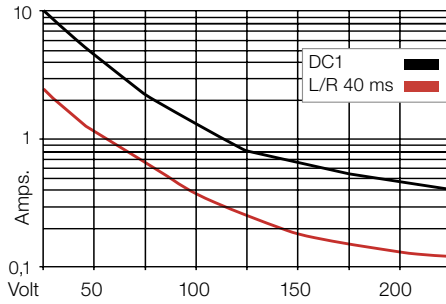
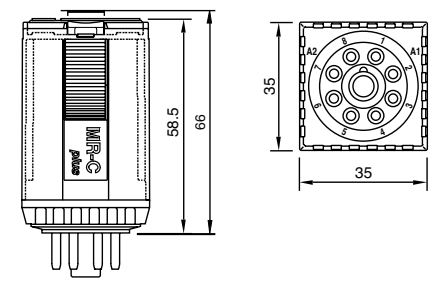


Fig. 2 DC load limit curve



Dimensions [mm]



Technical approvals, conformities



IEC 61810; EN 60947