

Type	C7-X1x/ ... V Power relay, DC application 1 pole, NO, double make		
-------------	--	--	--

Maximum contact load	10 A/250 V AC1	6 A/110 V DC1
	10 A/30 V DC1	1 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			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	1,5 VA (AC)/1,3 W (DC)

Coil table					
VAC	Ω	mA	VDC	Ω	mA
24	153	62	12	111	108
48	611	31	24	432	55
115	3K6	13	48	1K7	27
230	14K6	6,5	110	9K2	12

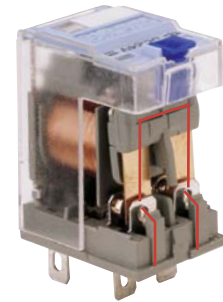
Insulation	Volt rms, 1 min
Contact open	2,5 kV
Contact/coil	2,5 kV
Insulation resistance at 500 V	$\geq 1 \text{ G}\Omega$
Insulation, IEC 61810-1	2,5 kV/3

Specifications	
Ambient temperature operation/storage	-40 (no ice)...60 °C / -40 ... 80 °C
Pick-up time/bounce time	20 ms/ ≤ 3 ms
Release time/bounce time	10 ms/ ≤ 1 ms
Mechanical life ops	AC: 10 Mill./DC: 20 Mill.
DC voltage endurance at rated load	≥ 100000 switching cycles
Switching frequency at rated load	$\leq 1200/\text{h}$
Protection class	IP40
Weight	43 g

Standard types	C7-X10/AC ... V C7-X10X/AC ... V
VAC 50 Hz/60 Hz: 24, 48, 115 (120), 230 (240) LED	C7-X10/DC ... V C7-X10X/DC ... V C7-X10DX/DC ... V C7-X10FX/DC ... V
VDC 12, 24, 48, 110 LED	C7-X10BX/UC ... V
Free wheeling diode	
Polarity and free wheeling diode	
AC/DC bridge rectifier 24 V, 48 V, 60 V	

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

Accessories	S7-M, S7-I/O, S7-L, S7-P, S7-P0
--------------------	--



Connection diagram

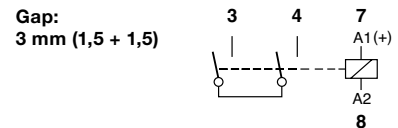


Fig. 1 AC voltage endurance

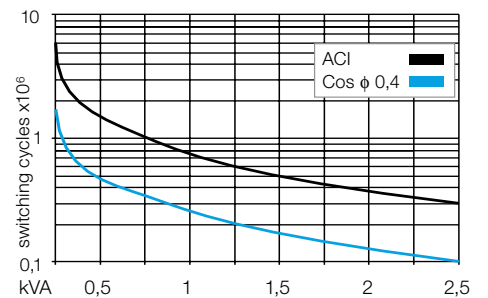
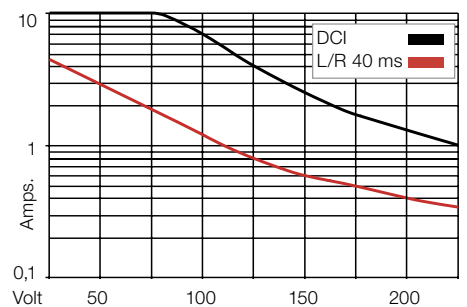
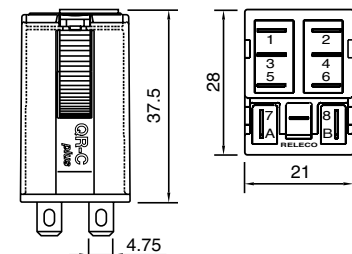


Fig. 2 DC load limit curve



Dimensions [mm]



Technical approvals, conformities



IEC 61810; EN 60947