



<b>Type</b>	<b>C70-A20/...V</b> Standard relay 2 change-over contact	
<b>Maximum contact load</b>	<b>10 A / 250 V AC1</b>	<b>0,5 A / 110 V DC1</b>
<b>Recommended minimum contact load</b>	<b>10 mA / 10 V</b>	<b>0,2 A / 220 V DC1</b>
<b>Contacts</b>	Material: AgNi	
Rated current	10 A	
Switch-on current max. (20 ms)	20 A	
Switching voltage max.	250 V	
AC load (Fig. 1)	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	1.5 VA (AC) / 1 W (DC)

<b>Coil Table</b>						
VAC	$\Omega$	mA	VDC	$\Omega$	mA	
24	190	53	12	140	86	
48	770	25	24	600	40	
120	4K7	12	48	2K4	20	
230	17K	6	110	12K5	8,8	
240	19K1	5,3				

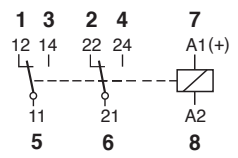
<b>Insulation</b>	
Pulse (1.2 / 50 $\mu$ s) / Dielectric strength (V rms, 1 minute)	
Contact / coil	4 kV / 2.5 kV
Contact / contact	4 kV / 2.5 kV
Contact / open	1.5 kV / 1 kV

<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 ops	AC: 10 Mill. / DC: 20 Mill.
DC voltage endurance at rated load	$\geq 100000$ switching cycles
Protection class	RT1
Weight	37 g

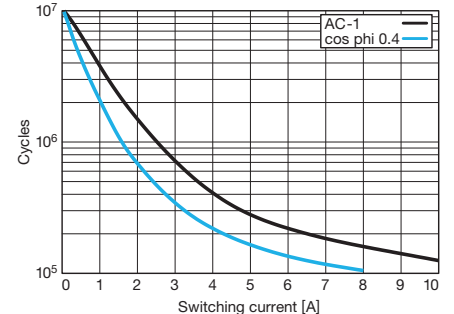
<b>Standard types</b>	
<b>V AC 50 Hz/60 Hz: 24, 28, 120, 230, 240 LED</b>	<b>C70-A20/AC...V</b> <b>C70-A20X/AC...V</b>
<b>V DC 50 Hz/60 Hz: 12, 24, 48, 110 LED</b>	<b>C70-A20/DC...V</b> <b>C70-A20X/DC...V</b>
<b>Free wheeling diode</b>	<b>C70-A20DX/DC...V</b>
	«...» Enter the voltage for the full type designation

<b>Accessories</b>	
Socket:	<b>S7-M, S7-I/O, S7-L, S7-P, S7-P0</b>

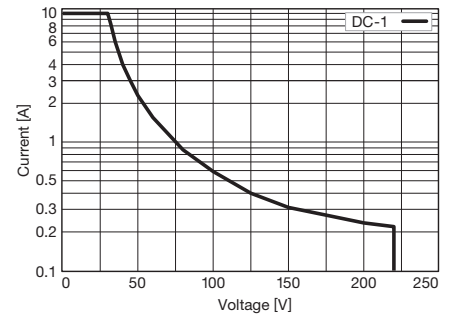
**Connection diagram**



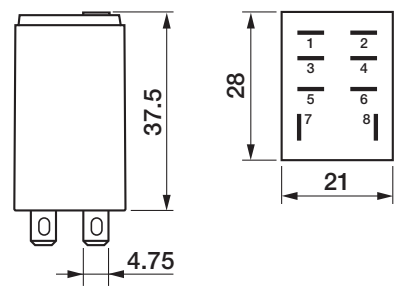
**Fig. 1 AC voltage endurance**



**Fig. 2 DC load limit curve**



**Dimensions [mm]**



**Technical approvals, conformities**

