

Type	C7-A1x/ ... V Standard relay 1 change-over contact
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Maximum contact load	16 A/250 V AC-1	0,5 A/110 V DC-1
	16 A/30 V DC-1	0,2 A/220 V DC-1

Contacts			
Material	Standard	Code 0	AgNi
Rated current			16 A
Switch-on current max. (20 ms)			40 A
Switching voltage max.			250 V
AC load (Fig 1)			4 kVA
DC load			see Fig. 2
Relay compatible with socket S7-16			

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	1,2 VA (AC)/1,3 W (DC)

Coil table	VAC	Ω	mA	VDC	Ω	mA
	24	174	50	12	111	108
	48	686	25	24	432	55
	115	4K3	10,4	48	1K7	28
	230	18K6	5,2	110	9K2	12

Insulation	
Contact open	Volt rms, 1 min 1000 V
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	16 ms/ ≤ 3 ms
Release time/bounce time	8 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	≤ 1200 /h
Protection class	IP40
Weight	43 g

Standard types	C7-A10/AC ... V C7-A10X/AC ... V
VAC 50 Hz/60 Hz: 24, 48, 115 (120), 230 (240) LED	
VDC 12, 24, 48, 110 LED	C7-A10/DC ... V C7-A10X/DC ... V
Free wheeling diode	C7-A10DX/DC ... V
Polarity and free wheeling diode	C7-A10FX/DC ... V
AC/DC bridge rectifier 24 V, 48 V, 60 V	C7-A10BX/UC ... V

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

Accessories	
Socket:	S7-16



Connection diagram

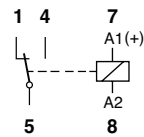


Fig. 1 AC voltage endurance

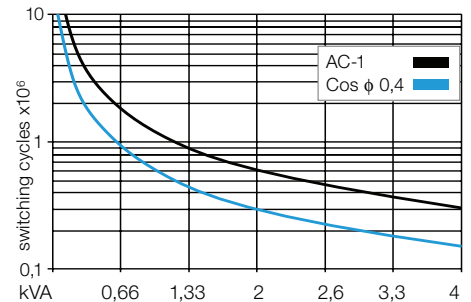
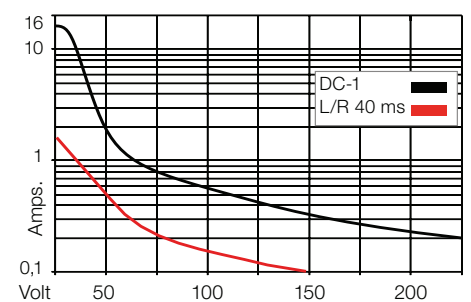
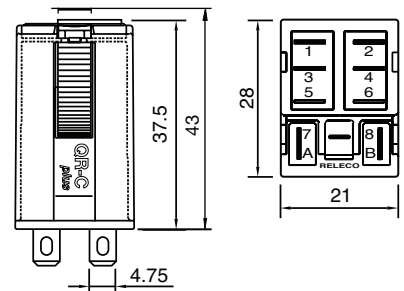


Fig. 2 DC load limit curve



Dimensions [mm]



Technical approvals, conformities



IEC 61810; EN 60947