

<b>Type</b>	<b>C7-A1x/ ... V</b> Standard relay 1 change-over contact
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<b>Maximum contact load</b>	<b>16 A/250 V AC1</b>	<b>0,5 A/110 V DC1</b>
	<b>16 A/30 V DC1</b>	<b>0,2 A/220 V DC1</b>

<b>Contacts</b>			
Material	Standard	Code 0	AgNi
Rated current			<b>16 A</b>
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			

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

<b>Coil table</b>	VAC	$\Omega$	mA	VDC	$\Omega$	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

<b>Insulation</b>	
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

<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
Switching frequency at rated load	$\leq 1200$ /h
Protection class	IP40
Weight	43 g

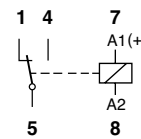
<b>Standard types</b>	<b>C7-A10/AC ... V</b> <b>C7-A10X/AC ... V</b>
<b>VAC 50 Hz/60 Hz: 24, 48, 115 (120), 230 (240) LED</b>	
<b>VDC 12, 24, 48, 110 LED</b>	<b>C7-A10/DC ... V</b> <b>C7-A10X/DC ... V</b>
<b>Free wheeling diode</b>	<b>C7-A10DX/DC ... V</b> <b>C7-A10FX/DC ... V</b>
<b>Polarity and free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

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

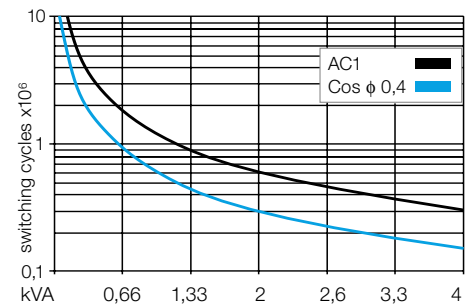
<b>Accessories</b>	
Socket:	<b>S7-16</b>



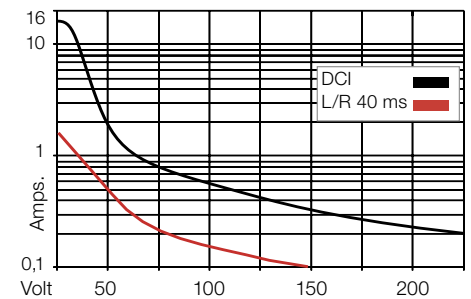
**Connection diagram**



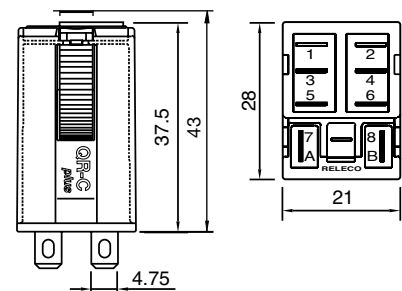
**Fig. 1 AC voltage endurance**



**Fig. 2 DC load limit curve**



**Dimensions [mm]**



**Technical approvals, conformities**



IEC 61810; EN 60947