

<b>Type</b>	<b>C5-A3x/ ... V</b> Power relays, 3 change-over contacts	
-------------	--	--

<b>Maximum contact load</b>	<b>16 A/400 V AC-1</b>	<b>0,5 A/110 V DC-1</b>
	<b>16 A/30 V DC-1</b>	<b>0,2 A/220 V DC-1</b>

<b>Contacts</b>			
Material	Standard	Code 0	AgNi
Rated current			16 A
Switch-on current max. (20 ms)			40 A
Switching voltage max.			400 V
AC load (Fig 1)			4 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	2,4 VA (AC)/1,4 W (DC)

<b>Coil table</b>					
VAC	$\Omega$	mA	VDC	$\Omega$	mA
24	65	100	24	414	58
48	286	50	48	1K6	30
115	1K7	21	110	8K1	13
230	6K8	10	220	35K6	6,2
400	18K8	6			

<b>Insulation</b>	
	Volt rms, 1 min
Contact open	1000 V
Contact/contact	4 kV
Contact/coil	4 kV
Insulation resistance at 500 V	$\geq 3 G\Omega$
Insulation, IEC 61810-1	4 kV/3

<b>Specifications</b>	
Ambient temperature operation/storage	-40 (no ice)...60 °C / -40 ... 80 °C
Pick-up time/bounce time	20 ms/ $\leq 3$ ms
Release time/bounce time	10 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	95 g

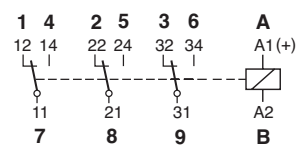
<b>Standard types</b>	
<b>VAC 50 Hz/60 Hz: 24, 48, 115, (120), 230, (240)</b>	<b>C5-A30/AC ... V</b>
<b>LED</b>	<b>C5-A30X/AC ... V</b>
<b>RC suppressor (max 250 V)</b>	<b>C5-A30R/AC ... V</b>
<b>VDC 24, 48, 110, 220</b>	<b>C5-A30/DC ... V</b>
<b>LED</b>	<b>C5-A30X/DC ... V</b>
<b>Free wheeling diode</b>	<b>C5-A30DX/DC ... V</b>
<b>Polarity and free wheeling diode</b>	<b>C5-A30FX/DC ... V</b>
<b>AC/DC bridge rectifier 24 V, 48 V, 60 V</b>	<b>C5-A30BX/UC ... V</b>

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

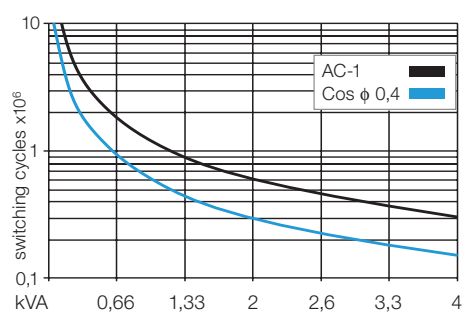
<b>Accessories</b>	
Socket:	<b>S5-S, S5-L, S5-P, S5-P0, S5-M</b>
Optional accessories (blanking plug):	<b>SO-NP, SO-OP</b>



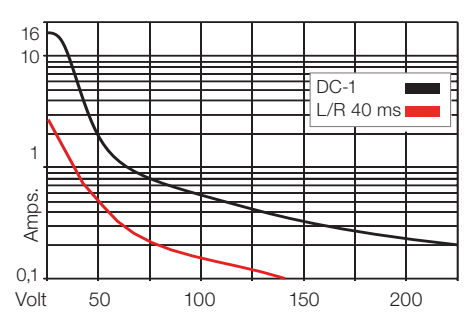
**Connection diagram**



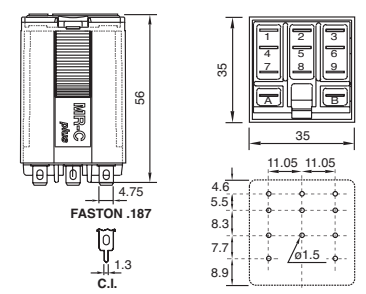
**Fig. 1 AC voltage endurance**



**Fig. 2 DC load limit curve**



**Dimensions [mm]**



**Technical approvals, conformities**



EN 60947; IEC 61810