

Type	C5-A3x/ ... V Power relays, 3 change-over contacts		
Maximum contact load	16 A/400 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.			400 V
AC load (Fig 1)			4 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			2,4 VA (AC)/1,4 W (DC)

Coil table						
VAC	Ω	mA	VDC	Ω	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				

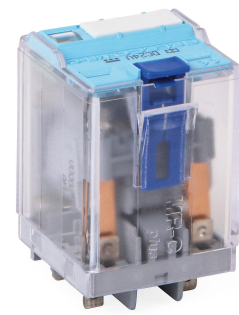
Insulation		
Coil resistance		Volt rms, 1 min
Contact open		1000 V
Contact/contact		4 kV
Contact/coil		4 kV
Insulation resistance at 500 V		$\geq 3 \text{ G}\Omega$
Insulation, IEC 61810-1		4 kV/3

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		≤ 1200 /h
Protection class		IP40
Weight		95 g

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

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

Accessories	
Socket:	S5-S, S5-L, S5-P, S5-PO, S5-M
Optional accessories (blanking plug):	SO-NP, SO-OP



Connection diagram

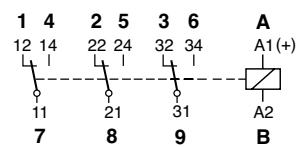


Fig. 1 AC voltage endurance

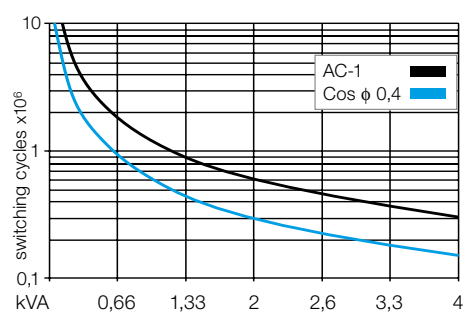
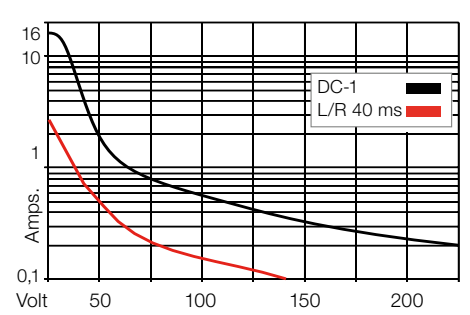
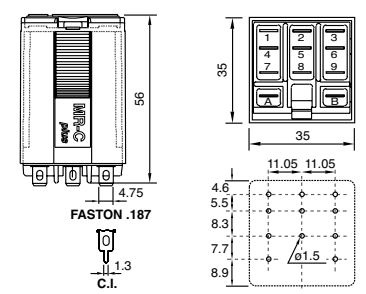


Fig. 2 DC load limit curve



Dimensions [mm]



Technical approvals, conformities



EN 60947; IEC 61810