

Type	C5-G3x/ ... V Power relays, DC application. 3 open contacts		
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Maximum contact load	16 A/400 V AC1	1,2 A/110 V DC1
	16 A/30 V DC1	0,4 A/220 V DC1

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)/1,6 W (DC)

Coil table	VAC	Ω	mA	VDC	Ω	mA
	24	65	100	12	90	133
	48	286	50	24	373	66
	115	1K7	21	48	1K4	34
	230	6K8	10	110	7K6	15
	400	18K8	6	220	30K3	7,5

Insulation	Volt rms, 1 min
Contact open	2000 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-G30/AC ... V
LED	C5-G30X/AC ... V
RC suppressor (max 250 V)	C5-G30R/AC ... V
VDC 12, 24, 48, 110, 220	C5-G30/DC ... V
LED	C5-G30X/DC ... V
Free wheeling diode	C5-G30DX/DC ... V
Polarity and free wheeling diode	C5-G30FX/DC ... V
AC/DC bridge rectifier 24 V, 48 V, 60 V	C5-G30BX/UC ... V

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

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



Connection diagram

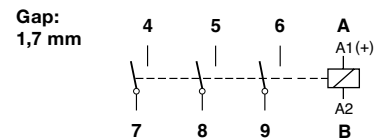


Fig. 1 AC voltage endurance

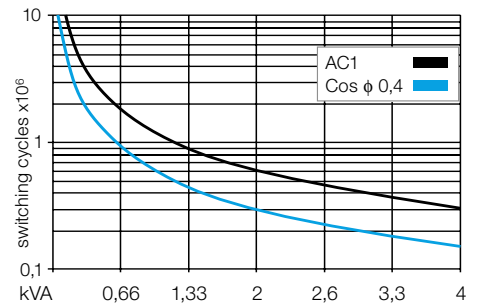
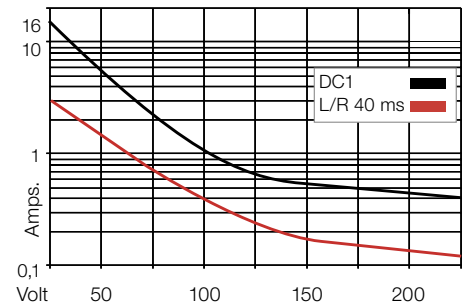
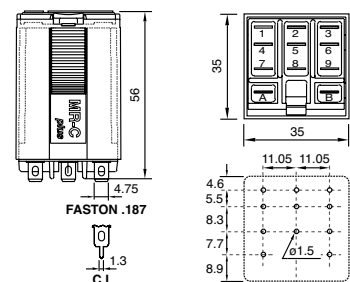


Fig. 2 DC load limit curve



Dimensions [mm]



Technical approvals, conformities



EN 60947; IEC 61810