

Type	C5-M2x/ ... V Power relays, DC application double pole, NO, magnetic blow out
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Maximum contact load	16 A @ 250 V AC1	7 A @ 110 V DC1 3 A @ 220 V DC1
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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

Coil

Coil resistance	see table; tolerance $\pm 10\%$
Pick-up voltage	$\geq 0,8 \times U_N$
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	33
230	6K8	10.4	110	7K6	15

Insulation

	Volt rms, 1 min
Contact open	2 kV
Contact/contact	4 kV
Contact/coil	3 kV
Insulation resistance at 500 V	$\geq 3 \text{ G}\Omega$
Insulation, EN 60947/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. switching cycles
DC Rated load	≥ 75.000 switching cycles
Switching frequency at rated load	$\leq 1200/\text{h}$
Protection class	IP40
Weight	90 g

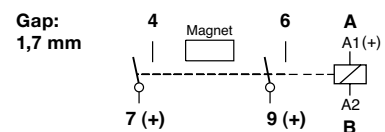
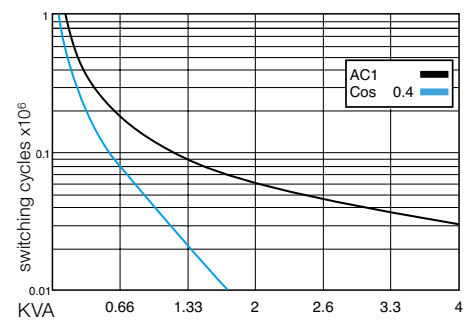
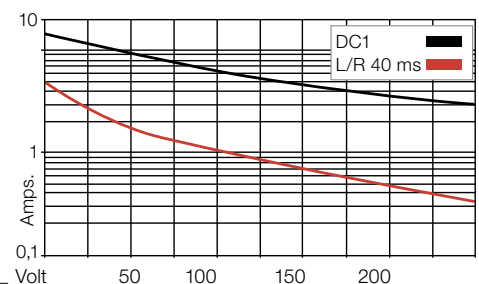
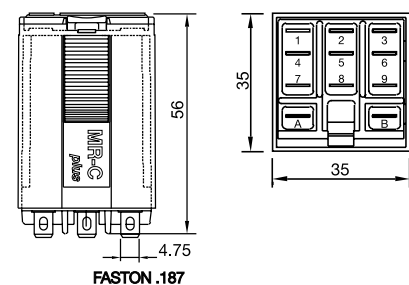
Standard types**VAC 50 Hz/60 Hz: 24, 48, 115 (120), 230 (240)****LED****RC suppresor (max 250 V)****VDC 12, 24, 48, 110, 220****LED****Free wheeling diode****Polarity and free wheeling diode****AC/DC bridge rectifier 24 V, 48 V, 60 V****C5-M20/AC ... V****C5-M20X/AC ... V****C5-M20R/AC ... V****C5-M20/DC ... V****C5-M20X/DC ... V****C5-M20DX/DC ... V****C5-M20FX/DC ... V****C5-M20BX/UC ... V**

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

Accessories

Socket:
Optional accessories (blanking plug):

S5-S, S5-L, S5-P, S5-P0, S5-M
SO-NP, SO-OP

**Connection diagram****Fig. 1 AC voltage endurance****Fig. 2 DC load limit curve****Dimensions [mm]****Technical approvals, conformities**

IEC 61810; EN 60947