

**Relay compatible
with sockets:**

S5-S, S5-L, S5-P, S5-PO

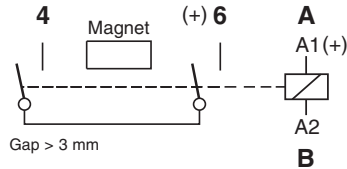


Table 1 Electrical Life, ops. x 10⁶

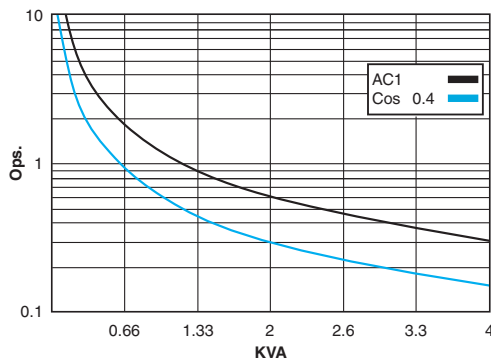
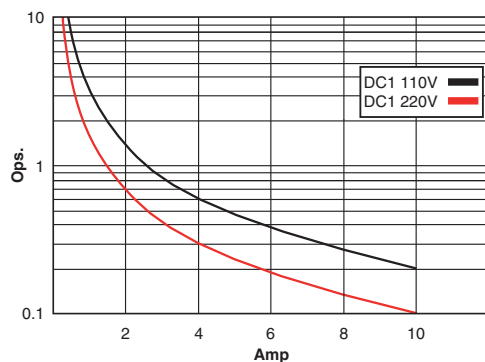
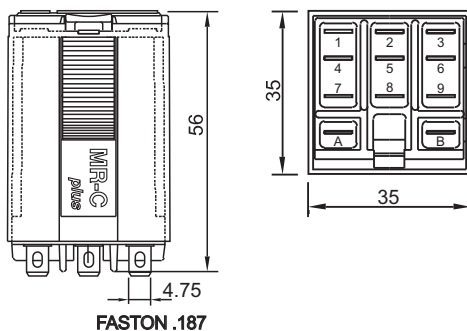


Table 2 DC Voltage Endurance



Dimensions - mm



C5-M10



DC power relay

One N.O. pole, magnetic blow out

16 A 400 V AC1 10 A 220 V DC1
3.6 A 110 V DC Ind 2 A 220 V DC Ind

Contacts

Materials: Standard, code 0

AgNi

Max. switching current

16 A

Max. peak inrush current (20 ms)

40 A

Max. switching voltage

400 V

Max. AC load (Table 1)

4 KVA

Max. DC load (Table 2)

Coils (Ohms $\pm 10\%$ @ 20°C)

Pull-in voltage

$\leq 0.8 \times U_n$

Drop-out voltage

$\geq 0.1 \times U_n$

Nominal coil power

2.4 VA (AC)/1.3 W (DC)

VAC	Ω	mA	VDC	Ω	mA
24	65	100	12	110	108
48	286	50	48	443	54
115	1K7	21	48	1K7	27
230	6K8	10	110	9K2	12
400	18K8	6	220	34K5	6.5

Insulation

Dielectric strength (1 minute):

Open contacts

4,000 V

Between contacts and coil

4 KV

Isolation resistance at 500 V

$\geq 3 \text{ G}\Omega$

Isolation, EN 60947/IEC 61810-5:

4 KV/3

Specifications

Operate time + bounce time

20 ms

Release time + bounce time

10 ms

Ambient temperature

-40°C (no ice) to +70°C

Mechanical life ops. 10 Mill. AC relays, 20 Mill. DC relays

Electrical life at nominal load

$\geq 100,000$ ops.

Operating frequency at nominal load

1,200/hour

Protection degree

IP 40/RT1

Weight avg.

90 g

Standard Types (50 / 60 Hz and CC)

AC 24, 48, 115, (110 - 120), 230

X = LED (standard)

C5-M10XVAC

RC suppressor

C5-M10RVAC

DC 12, 24, 48, 110, 120/125,220

X = LED

C5-M10X VDC

Free-wheeling diodes

C5-M10DX.... VDC

Polarity and free-wheeling diodes

C5-M10FX VDC

AC/DC bridge rectifier (24, 48 or 60 V)

C5-M10BX.... VDC



IEC 61810 EN 60947