

R5-M10

1 pole | normally open serial contact with blow magnet | faston



Main circuit

Available contact materials	⚡ AgNi
Recommended minimum contact load	10 mA / 10 V
Rated load	16 A
Inrush current	40 A, 20 ms
AC load	4000 VA
DC load	2200 W
Mechanical endurance (cycles)	≥ 10 000 000
Electrical endurance at rated load AC-1 (cycles)	≥ 300 000

Control circuit

Nominal voltage	see table product references
Operating voltage range	0.7 U _N ... 1.25 U _N
Pick-up voltage	≤ 0.7 U _N
Release voltage	≥ 0.1 U _N
Power consumption AC / DC	1.3 W

Coil table

V DC	Ω	mA
12	111	109
24	443	58
48	1 796	30
60	2 829	21.2
110	9 216	13
220	36 155	6.2

Insulation

Test voltage open contact	4 kV / 1 min
Test voltage contact / coil	4 kV / 1 min
Pollution degree	3
Overvoltage category	III
Insulation resistance at 500 V	≥ 3 GΩ

General data

Ambient temperature storage (no ice)	-40 ... 80 °C
Ambient temperature operation	-40 ... 70 °C
Pick-up time / bounce time	20 ms / ≤ 3 ms
Release time / bounce time	10 ms / ≤ 1 ms
Maximum switching frequency at rated load	1200 / h
Dimension	fig. 4.
Weight	90 g
Housing material	PA / PC

Product references

Description	Type	12	24	48	60	110
DC	R5-M10/DC...V	✓	✓	✓	✓	✓
LED	R5-M10X/DC...V	✓	✓	✓	✓	✓
LED & Free wheeling diode	R5-M10DX/DC...V	✓	✓	✓	✓	✓
LED & Polarity & Free wheeling diode	R5-M10FX/DC...V	✓	✓	✓	✓	✓

Other voltages on request. Please contact support@comatreleco.com.

«...» List coil voltage to complete product references

Accessories

Socket	S5-MR
Blanking plug	S0-NP (BAG 10 PCS)
Wall mounting adapter	S5-R (BAG 5 PCS)

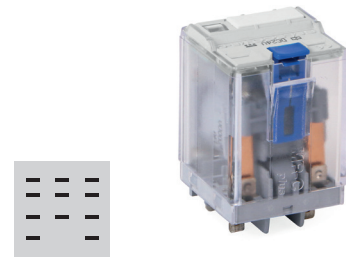


fig. 1. Wiring diagram

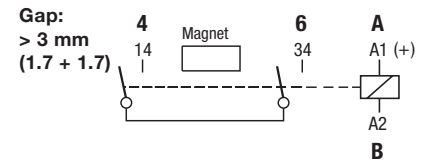


fig. 2. AC voltage endurance

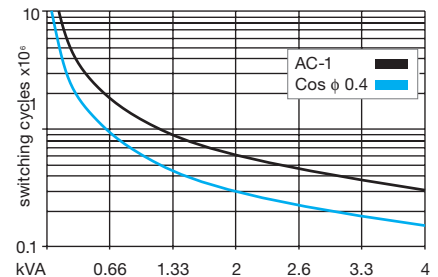


fig. 3. DC voltage endurance

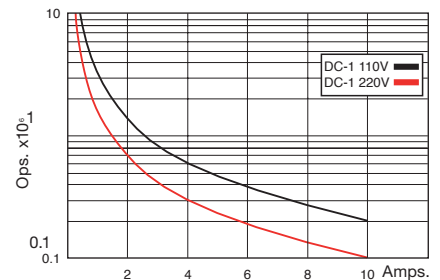
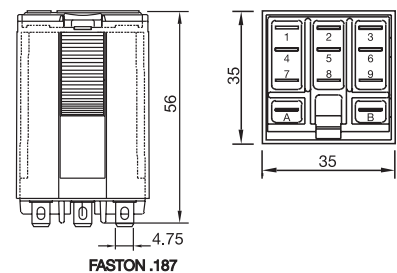


fig. 4. Dimension (mm)



Technical approvals, conformities

Standards IEC/EN 61810; IEC/EN 60947;
 Railway standards EN 50155; EN 45545-2



Approvals