

P4-10-3M

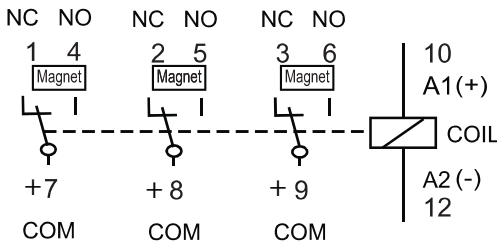


**Suitable for DIN Rail Mounting
(with Socket)**

General Purpose 3 C/O Relay

**10A @ 250 VAC 1
10A @ 30 VDC 1**

**5A @ 220 VDC 1
3A @ 220VDC L/R 7ms**



Contact Specifications

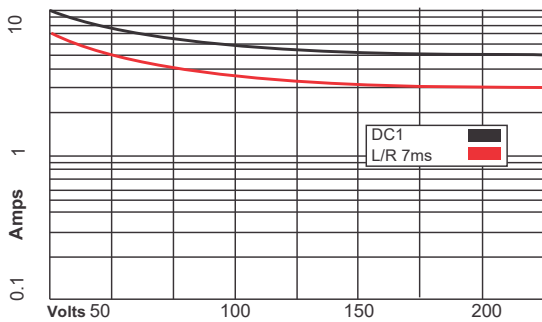
Materials	: Standard	: AgCuNi
Contact Configuration	: 3 C/O	
Nominal Switching Capacity	: 250 VAC 20A AC1 30 VDC 20A DC1	
Electric Life Expectancy	: 250 VAC 20A AC1 apprx. 100,000 operations (360 operations / h)	
Contact Make and Carry	: 10A for 3 secs / 5A @ 660VAC	
Switching Current Range	: 500mA to 10A	
Max. Switching Current	: 60A for 20ms	
Coil power	: 8 VA (W) to 7500 VA	
Contact Resistance	: 20m Ω	

Specifications

Mechanical Life Expectancy	: 20 Million operations
Mechanical Switching Frequency	: 20 Hz
Pull-in-time	: 10 ms at DC / 6-14 ms at AC
Release Time	: 2.5 ms at DC / 2-12 ms at AC
Bounce time normally	: 2.0 ms at DC / 3-8 ms at AC
Shock Resistance	: AK : > 10g
Vibration Resistance	: 10-55 Hz, AK : 10g, RK: 3g
Test Voltage, coil/contact (1.2/50 μs)	: > 5 KV
Test voltage, open contact	: 2.5 KV
Insulation Resistance	: 100 M ohms Min. @ 500VDC
Weight	: app. 150 g
Insulation Situation	: any
Ambient Temperature	: - 40° C to + 70° C
Protection Standard	: IP 40

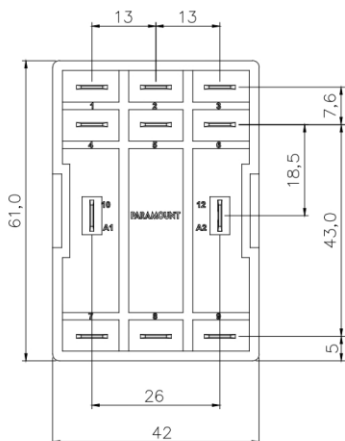
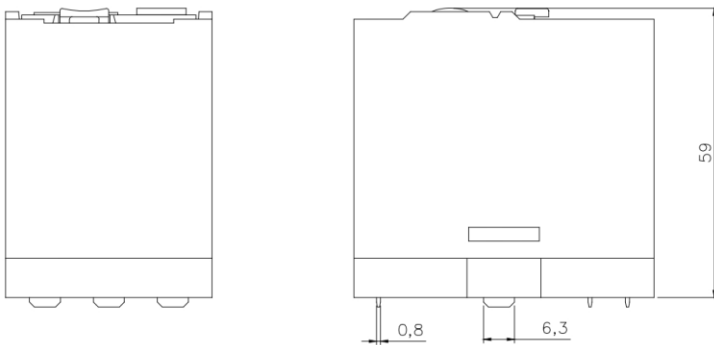
Graph

Max. DC Load



Dimensions

in mm.



Standard coils for DC & AC (other voltages on enquiry)

Rated Voltage	Pull-in Voltage @ 20° C	Drop Out Voltage	Nominal Current mA	Resistance in Ω at 20° C	Tolerance %
12 VDC	9.00	≥ 1.2	58.50	410	± 10%
24 VDC	18.00	≥ 1.2	58.50	410	± 10%
48 VDC	36.00	≥ 2.4	30.00	1600	± 10%
110 VDC	82.50	≥ 5.5	13.80	8000	± 10%
220 VDC	165.00	≥ 10.0	7.00	32000	± 10%

12 VAC	10.20	≥ 0.6	260.00	10	± 10%
24 VAC	20.40	≥ 1.2	130.00	40	± 10%
48 VAC	40.80	≥ 2.4	60.00	180	± 10%
110 VAC	93.50	≥ 5.5	29.00	950	± 10%
230 VAC	187.00	≥ 11.0	14.00	3900	± 10%

Standard Types

AC : 12, 24, 48, 110, 230 VAC - 50Hz

V = Variastor for 110 / 230 VAC

R = RC Circuit for 110 / 230 VAC

M - Magnetic blow Out

DC : 12, 24, 48, 110, 220 VDC

W = Free Wheeling Diode

P4-10-3 -M -V.....VAC

P4-10-3 -M -R.....VAC

P4-10-3 -M -W.....VDC

Approvals

