

Magnetic: DPRI

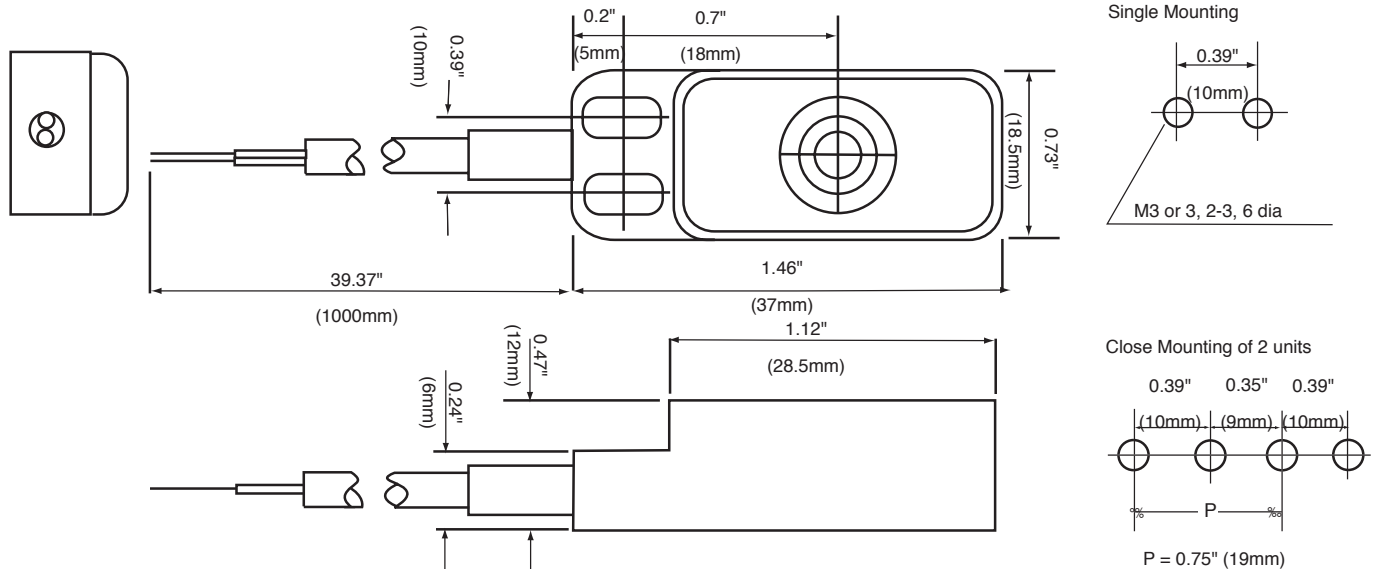
Magnetic Proximity Switches



- Lightweight, compact design reduces mounting space requirements
- Compact size allows units to be mounted in close proximity to each other
- Sealed reed contact can be used in dusty locations
- Long life and high reliability

The DPRI magnetic proximity switch incorporates a sealed reed switch and four magnets inside a compact housing. This self-contained proximity switch requires no external power supply and can detect the presence of magnetic objects without contact.

Dimensions



Specifications

		DPRI-01
PLCs	Normal Switching Distance	5mm ±10%
	Operating Distance	0 to 4mm
	Release Distance	Over switching distance, 9mm (maximum)
	Repeat Error ON	0.05mm (maximum)
	Repeat Error OFF	0.15mm (maximum)
	Temperature Error (–10 to 50°C)	±0.5mm or less (20°C as standard)
Operator Interfaces	Response Speed	300Hz or less (bounce 0.4ms or less)
	Output	Contact Configuration
		Switching Capacity
		Operating Voltage
		Operating Current
		Initial Contact Resistance
Automation Software	Shock Resistance	20G or less
	Ambient Temperature Range	–10 to +50°C
	Sensing Object	Magnetic materials: Fe, Ni, Cu, Ferrite, etc.
	Standard Sensing Object	30 x 20 x 1mm, Ferromagnetic soft iron plate
	Life Expectancy	Electrical
		Mechanical
Power Supplies	Lead Wire	Cable type: 5mm 2-core vinyl cabtyre cable, 3-1/3' (1m) long
	Weight	Approximately 40g

Part Number

Description	Part Number
Magnetic Proximity Switch	DPRI-01

For information on accessories, see page 229.

Operation Principle

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