

High Precision Cylinder Sensors

Magnetic



Basic features	Operating Principle	Magnetic				
	Shell Style	Square				
	Applicable Groove Type	Shape C		Shape U	Shape C	
	Detection of Magnetic Poles	Optional N and S Pole Models				
	Magnetic Sensitivity	4.5~6mT		2.5~3.5mT		
	Indicator Light	Distance from Main Body: Approximately 100mm		Red		
Electrical data	Output Mode	NPN Normally Open, N.O.(N.O.)(Turns ON when Approached)		...		
	Operating Voltage	5~24V DC		12~24V DC		
	Output Current	≤12mA		≤50mA		
	Power Consumption	≤12mA		...		
	Response Speed	5 μs		50 μs		
Environmental conditions	Operating Temperature	-20°C~+85°C, No Freezing				
	Operating Humidity	20%~95%RH, No Condensation				
	Dielectric Strength	AC1000V for 1 minute				
	Insulation Strength	250V DC ≥ 20MΩ				
	Protection Level	IP67				
Mechanical data	Mounting Method	-				
	Connection Method	1M/3-core Cable		1M/2-core Cable		
	Dimensions	Φ4x14.5mm	4x5.5x24.5mm		5x10x22.2mm	
	Material	GF Reinforced PBT: Black		GF Reinforced PBT: Gray		
	Weight	about 11.3g		about 14.4g		
Model	Detects South Pole	MR-C7-S	MR-C8-C-S	MR-C8-U-S	MR-C13-C-S	MR-C13-U-S
	Detects North Pole	MR-C7-N	MR-C8-C-N	MR-C8-U-N	MR-C13-C-N	MR-C13-U-N

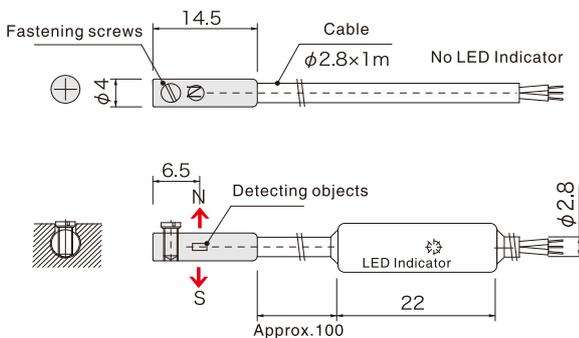
Fiber Optic
Slot Sensors
Photoelectric
Laser
Proximity
Displacement
Magnetic
Contact
Area
Ultrasonic
AI Image
Code Readers
Vibration
Temperature
RFID
Safety door lock
Pressure Switch
Communication
Accessories

Guidance

Dimensions

Unit:mm

MR-C7



Magnetic

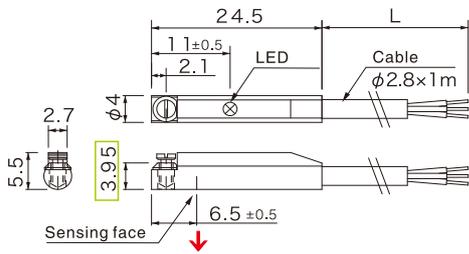
Magnetic sensors
High precision cylinder
Economic cylinder
Environmental cylinder
Magnetic Proximity
Door sensors
Linear sensors
Ordinary magnets
High precision composite magnets
Mounting accessories

High Precision Cylinder Sensors

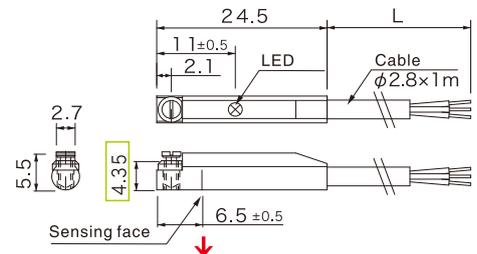
Dimensions

Unit:mm

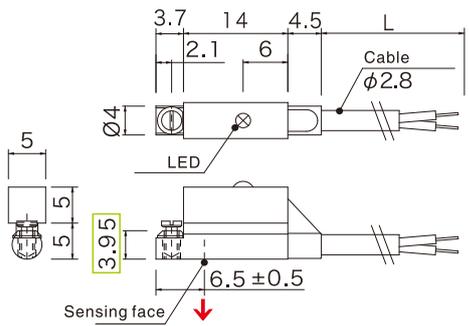
MR-C8(C shaped slot)



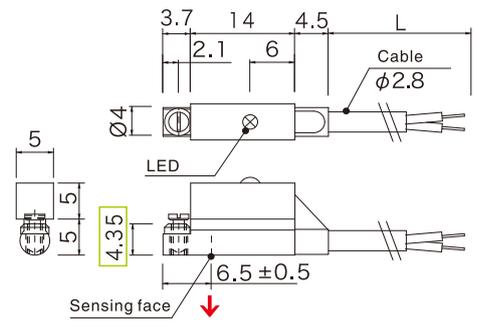
MR-C8(U shaped slot)



MR-C13(C shaped slot)

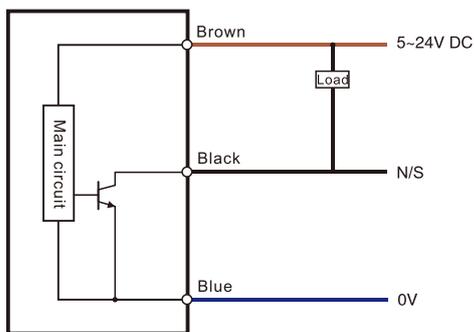


MR-C13(U shaped slot)

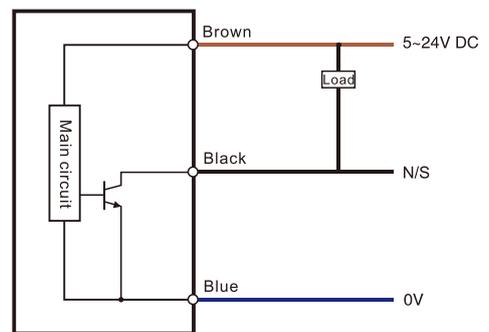


Circuit diagram

MR-C7



MR-C8



Fiber Optic
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Laser
Proximity
Displacement
Magnetic
Contact
Area
Ultrasonic
AI Image
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Mounting accessories