



STI Vibration Monitoring Inc.

Vibration Monitoring and Machine Protection Systems

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Condition Monitoring Custom Products

CMCP240 Series Proximity Speed Sensor



Features:

- M12x1 Threaded Body
- 4mm or 8mm Sensing Distance
- LED Status Indicator
- PNP or NPN Output
- Overload Protection
- 2m Integral Cable or M12 Connector Option
- Includes Two Lock Nuts
- Optional Mounting Bracket

Technical Performance

Nominal Sensing Distance:

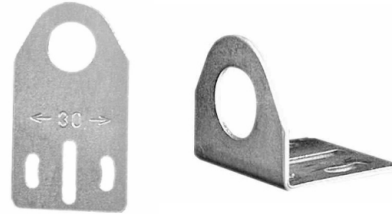
Shielded (-04): 4mm (0.16")
Unshielded (-08): 8mm (0.32")

Switching Frequency:

Shielded (-04): 2,500 Hz
Unshielded (-08): 1,400 Hz

Electrical

Output Type: 3 Wire (PNP or NPN)
Operating Voltage: 10 to 30VDC
Current: ≤10mA
Voltage Drop: <2VDC
Time Delay: ≤50ms
Reverse Polarity Protection: Yes
Short Circuit Protection: Yes
Indicator Status: LED (Blink on Target)



Environmental

Operating Temperature Range: -25 to 70°C [-13 to 158°F]
Sealing: IP67
Approvals: CE, cULus

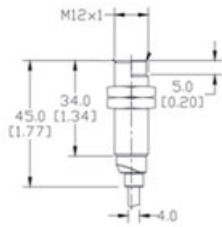
Mechanical

Mounting Thread: M12x1.0
Threaded Length: 1.50" (38.1mm)
Housing Material: Chrome-plated Brass
Sensing Face Material: PPS (Polyphenylene Sulfide)
Connection: 2m Integral Cable or M12 Connector (Use CMCP605M Extension Cable)

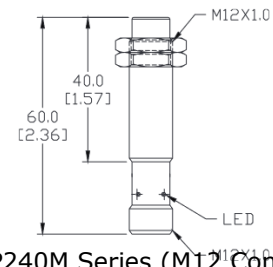
Ordering Information:

CMCP240	-XX	-XX	-XX	Proximity Speed Sensor with 2m Integral Cable
CMCP240M	-XX	-XX	-XX	Proximity Speed Sensor with M12 Connector
	-NPN			NPN Output
	-PNP			PNP Output
		-00		Without Mounting Bracket
		-01		With Right Angle Mounting Bracket
		-02		With Axial Mounting Bracket
			-04	4mm Sensing Distance (Shielded)
			-08	8mm Sensing Distance (Unshielded)

Dimensions

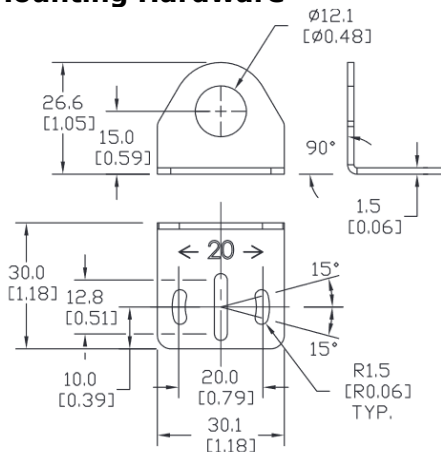


CMCP240 Series (Integral Cable)

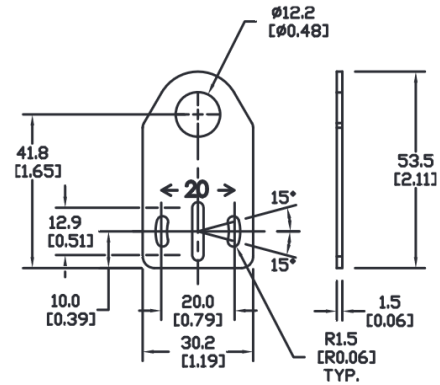


CMCP240M Series (M12 Connector)

Mounting Hardware



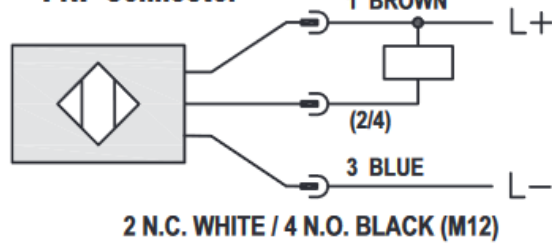
Optional Side Exit Mounting Bracket



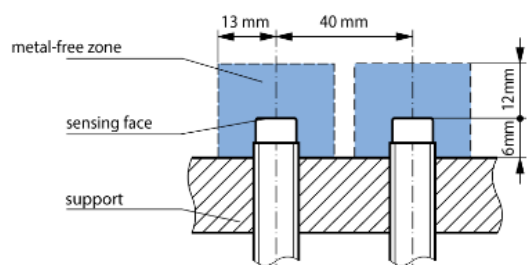
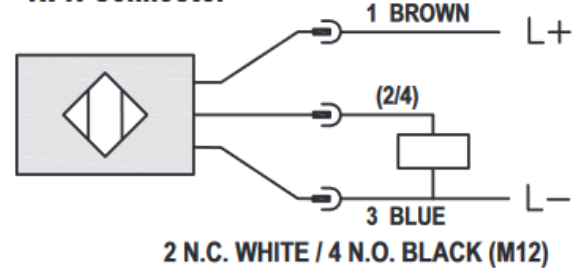
Optional Axial Mounting Bracket

Wiring

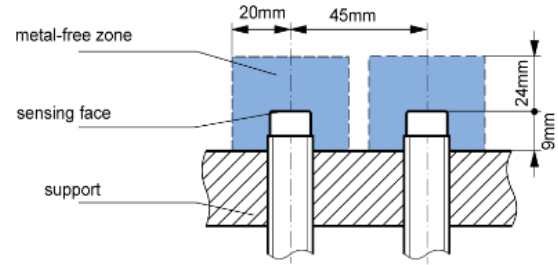
PNP Connector



NPN Connector



4mm Sensing Distance (Shielded)



8mm Sensing Distance (Unshielded)

