

# E2J-JC4A 2M



# Product Overview

Sensor amplifier, NPN (requires E2J head)

# Specifications

## Specifications

Updated: 2026/03/28

Sensing head size	12 mm
Sensing head size	29.8 mm
Sensing head size	63.1 mm
Type	Amplifier Unit
Power source	DC Three-wires models
Power supply voltage	24 VDC±20% ripple (p-p) 10% max.
Current consumption	30 mA max.
Control output (Output type)	NPN open collector
Control output (Switching capacity)	100 mA max. (30 VDC max.)
Control output (Residual voltage)	1 V max.
Indicator	Operation indicator (orange), Power indicator (green)
Operation mode	NO/NC selectable
Sensitivity setting	8-turn adjustment
Protective circuit	Output short-cut protection;Power supply reverse polarity protection;Surge suppressor
Ambient temperature (Operating)	-10 to 55 °C
Ambient temperature (Storage)	-10 to 55 °C
Ambient humidity (Operating)	35 to 85%
Ambient humidity (Storage)	35 to 85%
Temperature influence	±25% max. of sensing distance at 23 °C in the temperature range of 0 to 40 °C
Voltage influence	±1% max. of sensing distance at rated voltage in the rated voltage ±20% range
Insulation resistance	50 MΩ min. at 500 VDC(Between charged parts and the case)

Dielectric strength	1,000 VAC 50/60 Hz 1 min(Between charged parts and the case)
Vibration resistance	(Destruction) 10 to 150 Hz, 1.5 mm double amplitude or 100 m/s <sup>2</sup> each in X, Y, and Z directions for 2 h
Shock resistance	(Destruction) 300 m/s <sup>2</sup> 3 times each in X, Y and Z directions
Degree of protection	IP50(IEC)
Connection method	2 m
Connection method	Pre-wired models
Weight	Approx. 60 g(Package)
Material	(Case) ABS
Accessories	Instruction manual;Mounting Bracket
Amplifier unit/sensor head of combination	E2J-W10MA;E2J-W20MA

# Standards certification

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UL	No
CSA	No
CE	Yes
CCC	N/A
Marine	No

Yes: Certified / Conform No: Not certified / Not conform N/A: Out of Scope