

872CDH5NP18D4

AB 872 Inductive Proximity Sensor 18mm 10-30V DC 5mm Shld
NO PNP 3 Wire Micro 4 DC QD



NON-CONTACT SENSORS



Allen-Bradley



Component type	Inductive proximity switch
Range	Inductive Prox
Model	N/A
Product status	Existing

The Allen-Bradley inductive proximity sensors detect metal objects without touching them. This technology is used in applications where the metal object to be detected is within an inch or two of the sensor face. Ideal for use in light-duty packaging applications and the harsh environments in automotive welding equipment or washdowns in food processing plants.

ELECTRICAL

Type of actuation	Metallic Target
Switching distance	5 mm
Voltage type	DC
Rated control supply voltage U_s at AC 50HZ	0 V
Rated control supply voltage U_s at AC 60HZ	0 V
Type of switch function	Breaker contact
Type of switching output	NAMUR
Switching frequency	1500 Hz
Supply voltage	7-9 V
Number of protected semiconductor outputs	1

COMMUNICATION

Type of interface	None
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CONSTRUCTION

Construction type housing	Cuboid
Material housing	Metal
IP rating	IP67
Coating housing	Chromium-plated
Cascadable	No
Compression-resistant	No
Suitable for safety functions	No

MECHANICAL

Mechanical mounting condition for sensor	Other
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DIMENSIONS

Diameter sensor	18 mm
Length of sensor	30 mm
Cable length	2 m
Weight (cable excluded)	75 g

ENVIRONMENT

Storage temperature	-30...80 °C
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CERTIFICATES/APPROVALS

SIL according to IEC 61508	None
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CERTIFICATES/APPROVALS	Explosion safety category for gas	None
	Explosion safety category for dust	None