

872CM4NP12D4

AB 872 Inductive Proximity Sensor 12mm 10-30V DC 4mm Shld
NO PNP 3 Wire Micro 4 DC QD



Allen-Bradley

by ROCKWELL AUTOMATION

NON-CONTACT SENSORS



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	8.0 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	Normally open contact
Type of switching output	PNP
Switching frequency	1500.0 Hz
Voltage drop (U_d)	2.5 V
Supply voltage	10 - 36 V
Number of protected semiconductor outputs	1.0

COMMUNICATION

Type of interface	None
Construction type housing	Cuboid
Material housing	Metal
Degree of protection (IP)	IP67
Coating housing	Nickel-plated
Cascadable	No
Compression-resistant	No
Suitable for safety functions	No

CONSTRUCTION

DIMENSIONS

Diameter sensor	18.0 mm
Length of sensor	70.2 mm
Cable length	0.0 m
Weight (cable excluded)	60.0 g

ENVIRONMENT

Storage temperature	-40 - 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
