

# 872CM15NP30D4

AB 872 Inductive Proximity Sensor 30mm 10-30V DC 15mm  
Shld NO PNP 3 Wire Micro 4 DC QD



**Allen-Bradley**

by ROCKWELL AUTOMATION

NON-CONTACT SENSORS



<b>Component type</b>	Inductive proximity switch
<b>Range</b>	Inductive Prox
<b>Model</b>	N/A
<b>Product status</b>	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 Us at AC 50HZ	0 V
Rated control supply voltage Us at AC 60HZ	0 V
Type of switch function	Normally open contact
Type of switching output	PNP
Switching frequency	1500.0 Hz
Voltage drop (Ud)	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	12.0 mm
Length of sensor	54.0 mm
Cable length	0.0 m
Weight (cable excluded)	30.0 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

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