871TMDH8NP18D4

AB 871 Inductive Proximity Sensor SS 18mm 10-30V DC 8mm Unshld NO PNP 3 Wire Micro 4 DC QD

NON-CONTACT SENSORS

Allen-Bradley



Component type	Inductive proximity switch
Range	Inductive Prox
Model	N/A
Alternative	CALL FOR ALTERNATIVE

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 mm
	Voltage type	DC
	Rated control supply voltage Us at DC	10-30 V
	Type of switch function	Normally open contact
	Switching frequency	40 Hz
	Type of electric connection	Plug-in connection
	Number of protected semiconductor outputs	1
COMMUNICATION	**Type of interface**	None
CONSTRUCTION	**Construction type housing**	Cuboid
	Material housing	Stainless steel
	IP rating	IP67
	Coating housing	Chromium-plated
	Cascadable	No
	Compression-resistant	No
	Degree of protection (NEMA)	13
	Suitable for safety functions	No
MECHANICAL	**Mechanical mounting condition for sensor**	Other
DIMENSIONS	**Length of sensor**	120 mm
	Height of sensor	40 mm
	Width sensor	40 mm
ENVIRONMENT	**Storage temperature**	-25…70 °C
CERTIFICATES/APPROVALS	**SIL according to IEC 61508**	None
	Explosion safety category for gas	None
	Explosion safety category for dust	None

Published on 03 June 2026