

ABB ROBOTS

Product Data Sheet

3HNM09846-1

industrial purge sensor

FUNCTION industrial purge sensor	FAMILY ABB Robots	ORIGIN Sweden	WEIGHT 0.74 kg
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ABB Robots 3HNM09846-1 is a industrial purge sensor for the ABB Robots. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Supply Voltage	24 V DC
Current Consumption	≤ 35 mA
Analog Output	4-20 mA
Response Time	< 100 ms (10 → 90 %)
Over-pressure	150 % FS without calibration shift
Loop Isolation	500 V DC output-to-media
Operating Temp	−10 °C to +60 °C
Storage Temp	−25 °C to +85 °C
Humidity	0...95 % RH non-condensing
Exact Article Code	3HNM09846-1

Product Family	ABB Robots
Component Type	Industrial Purge Sensor
Assembly Class	ABB PCB assembly
System Interface	ABB Robots control interface
Control Supply	Documented rack control supply

- Support order sorting with Industrial Pur process control: During operation of the scanners, diverters and destination lanes, 3HNM09846-1 handles its designated signal or control duty as a industrial pur sensor. During priority order, the system uses this function to apply the current order priority to the routing decision, helping it complete the order path in the intended sequence.
- Manage press sequencing with Industrial Pur process control: As part of the feed systems, dies and safety interfaces, 3HNM09846-1 operates in its approved product-family role as a industrial pur sensor. During part change, the system uses this function to apply the selected product recipe to the sequence, helping it produce the intended part without skipping an interlock.
- Maintain powertrain assembly with Industrial Pur: During operation of the machining cells and pallet systems, 3HNM09846-1 operates in its approved product-family role as a industrial pur sensor. During quality-hold release, the system uses this function to hand off part identity with the machine sequence, helping it retain traceability at the next operation.

Match 3HNM09846-1 to the installed ABB Robots, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[ABB ABB Robots documentation](#)

<https://new.abb.com/control-systems>

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