

ABB ROBOTS

Product Data Sheet

3HNP01219-1

air flow sensor

FUNCTION air flow sensor	FAMILY ABB Robots	ORIGIN Sweden	WEIGHT 0.50 kg
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ABB Robots 3HNP01219-1 is a air flow sensor for the ABB Robots. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Flow Range	0.1–20 m/s (adjustable)
Output Signal	4–20mA (2-wire) or 0–10V DC
Supply Voltage	24V DC (±10%) or 100–240V AC
Exact Article Code	3HNP01219-1
Product Family	ABB Robots
Component Type	Air Flow Sensor
Assembly Class	ABB PCB assembly
System Interface	ABB Robots control interface
Control Supply	Documented rack control supply
Connector Interface	Keyed ABB board connectors

Installation Format	Plug-in control board
Signal Domain	Control and diagnostic signals
Service Position	Documented rack slot
Configuration Basis	Installed ABB hardware list
Replacement Basis	Exact article and board revision

- Regulate raw-water pumping with Air Flow process control: During operation of the intake pumps and wet wells, 3HNP01219-1 operates in its approved product-family role as a air flow sensor. During peak-flow demand, the system uses this function to coordinate pump duty and level response, helping it maintain hydraulic continuity.
- Align turbine auxiliary control with Air Flow: Across the lube-oil pumps and turning gear, 3HNP01219-1 provides its specified system function as a air flow sensor. During unit run-up, the system uses this function to coordinate permissives and auxiliary equipment states, helping it support a stable transition to rated operation.
- Protect aseptic filling with Air Flow process control: As part of the fillers and container conveyors, 3HNP01219-1 serves its documented function as a air flow sensor. During line-speed ramp, the system uses this function to keep container flow synchronized with filling demand, helping it move accepted containers toward inspection.

Match 3HNP01219-1 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>

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM