

ABB ROBOTS

Product Data Sheet

3HNE09106-1

cable pressure transducer

FUNCTION cable pressure transducer	FAMILY ABB Robots	ORIGIN Sweden	WEIGHT 0.40 kg
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ABB Robots 3HNE09106-1 is a cable pressure transducer for the ABB Robots. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Output Signal	Standard 4-20 mA
Operating temperature range	-40°C to +85°C
Storage temperature range	-50°C to +100°C
Operating Voltage	24 VDC
Exact Article Code	3HNE09106-1
Product Family	ABB Robots
Component Type	Cable Pressure Transducer
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

- Support compressor protection with Cable Pressure: For the coordinated operation of the shaft lines, thrust positions and casing sensors, 3HNE09106-1 provides its specified system function as a cable pressure transducer. During steady-load comparison, the system uses this function to associate the measurement with machine operating state, helping it distinguish a developing mechanical change from load response.
- Regulate blower vibration diagnostics with Cable Pressure: For the coordinated operation of the blower bearings, gears and casing sensors, 3HNE09106-1 performs its assigned control role as a cable pressure transducer. During aeration-demand transition, the system uses this function to compare casing response as blower output changes, helping it distinguish mechanical response from normal load movement.
- Manage thrust-position monitoring during load redistribution: Within the thrust probes and axial reference surfaces, 3HNE09106-1 performs its assigned control role as a cable pressure transducer. During load redistribution, the system uses this function to track axial movement against the configured alarm limits, helping it support a timely thrust-protection decision.

Match 3HNE09106-1 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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