

ABB ROBOTS

# Product Data Sheet

**3HNA015717-001**

pressure control valve

|                                    |                      |                  |                   |
|------------------------------------|----------------------|------------------|-------------------|
| FUNCTION<br>pressure control valve | FAMILY<br>ABB Robots | ORIGIN<br>Sweden | WEIGHT<br>0.50 kg |
|------------------------------------|----------------------|------------------|-------------------|

ABB Robots 3HNA015717-001 is a pressure control valve for the ABB Robots. The values below are limited to the exact documented article.

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## VERIFIED TECHNICAL DATA

|                     |                                |
|---------------------|--------------------------------|
| Exact Article Code  | 3HNA015717-001                 |
| Product Family      | ABB Robots                     |
| Component Type      | Pressure Control Valve         |
| 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           |
| Protective Check     | ESD and protective-earth control           |
| Commissioning Check  | Power-up diagnostics and function test     |
| Maintenance Identity | 3HNA015717-001 controlled service identity |

- Verify conveyor routing with Pressure Control: At the control layer of the zone conveyors and merge points, 3HNA015717-001 supports the configured automation role as a pressure control valve. During route change, the system uses this function to coordinate destination data with equipment permissives, helping it move the item to the assigned process.
- Regulate aseptic filling with Pressure Control: During operation of the fillers and container conveyors, 3HNA015717-001 handles its designated signal or control duty as a pressure control valve. During line-speed ramp, the system uses this function to keep container flow synchronized with filling demand, helping it move accepted containers toward inspection.
- Manage filtration backwash with Pressure Control: In the automation chain for the filter cells and backwash valves, 3HNA015717-001 performs its assigned control role as a pressure control valve. During filter loading, the system uses this function to sequence isolation, drain and rinse paths, helping it return the filter to production in a known state.

Match 3HNA015717-001 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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