

ABB ROBOTS

Product Data Sheet

3HAC085590-001 DSQC3120

industrial teach pendant

FUNCTION industrial teach pendant	FAMILY ABB Robots	ORIGIN Sweden	WEIGHT 4.50 kg
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ABB Robots 3HAC085590-001 DSQC3120 is a industrial teach pendant 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 ± 10 %
Typical Current Draw	0.35 A @ 24 V
Power Consumption	≤ 9 W
System Memory	512 MB DDR3-800
Flash Storage	4 GB e-MMC
Exact Article Code	3HAC085590-001 DSQC3120
Board Designation	DSQC3120
Product Family	ABB Robots
Component Type	Industrial Teach Pendant
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

- Verify cooling-water circulation with Industrial Teach: Across the circulating pumps and heat exchangers, 3HAC085590-001 DSQC3120 operates in its approved product-family role as a industrial teach pendant. During controlled shutdown, the system uses this function to sequence redundant equipment around the operating unit, helping it keep heat rejection available to the process.
- Regulate automated storage during buffer release: Within the stacker cranes and storage positions, 3HAC085590-001 DSQC3120 operates in its approved product-family role as a industrial teach pendant. During buffer release, the system uses this function to release material according to downstream availability, helping it prevent overfilling the next buffer.
- Verify robotic joining with Industrial Teach process control: For the coordinated operation of the robots, fixtures and clamp groups, 3HAC085590-001 DSQC3120 handles its designated signal or control duty as a industrial teach pendant. During station restart, the system uses this function to confirm tooling readiness before the cycle starts, helping it prevent an incomplete joining cycle.

Match 3HAC085590-001 DSQC3120 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

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