

ABB ROBOTS

Product Data Sheet

3HAC022279-002

industrial robot reducer

FUNCTION industrial robot reducer	FAMILY ABB Robots	ORIGIN Sweden	WEIGHT 2.82 kg
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ABB Robots 3HAC022279-002 is a industrial robot reducer for the ABB Robots. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Torsional Stiffness	1100 Nm
Operating Temperature	0 °C ... +45 °C (ambient)
Storage Temperature	-25 °C ... +55 °C
Protection Class	IP65 (dust-tight, water-jet proof)
Transmission Accuracy	≤ 1 arc-min
Efficiency	≥ 90 % @ rated torque
Frame Size	RV-400C
Nominal Output Torque	4 000 Nm
Peak Torque	8 000 Nm
Exact Article Code	3HAC022279-002

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

- Balance clean-in-place transfer with Industrial Robot: Across the CIP supply and return headers, 3HAC022279-002 serves its documented function as a industrial robot reducer. During sanitation transition, the system uses this function to coordinate valve paths and pump availability, helping it complete sanitation without cross-routing product.
- Synchronize order sorting during priority order: Inside the scanners, diverters and destination lanes, 3HAC022279-002 performs its assigned control role as a industrial robot reducer. 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 raw-water pumping with Industrial Robot: Inside the intake pumps and wet wells, 3HAC022279-002 handles its designated signal or control duty as a industrial robot reducer. During peak-flow demand, the system uses this function to coordinate pump duty and level response, helping it maintain hydraulic continuity.

Match 3HAC022279-002 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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