

ABB ADVANT OCS AND ADVANT-800XA

Product Data Sheet

3BHE029153R0101 UNS0119A-P,V101

digital input submodule

FUNCTION digital input submodule	FAMILY ABB Advant OCS and Advant-800xA	ORIGIN Switzerland	WEIGHT 0.65 kg
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ABB Advant OCS and Advant-800xA 3BHE029153R0101 UNS0119A-P,V101 is a digital input submodule for the ABB Advant OCS and Advant-800xA. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Back-plane Supply	5 V DC 250 mA
Field-loop Supply	24 V DC 30 mA
Total Dissipation	2 W typical, 3 W max.
Operating Temp	-10 ... +60 °C (horizontal rail)
Storage	-20 ... +70 °C
Humidity	10 ... 90 % RH non-condensing
Rated Voltage	24 V DC (18 ... 30 V)
Input Current	4 mA @ 24 V
Thresholds	ON $\geq$ 15 V, OFF $\leq$ 5 V, 2 V hysteresis
Minimum Pulse	200 μ s

Isolation	500 V AC channel-to-back-plan
Exact Article Code	3BHE029153R0101 UNS0119A-P,V101
Board Designation	UNS0119A-P,V101
Product Family	ABB Advant OCS and Advant-800xA
Component Type	Digital Input Submodule

- Stabilize chemical dosing with Digital Input process control: As part of the metering pumps and contact tanks, 3BHE029153R0101 UNS0119A-P,V101 serves its documented function as a digital input submodule. During dose-setpoint correction, the system uses this function to match reagent flow to the measured process load, helping it keep treatment chemistry inside its operating target.
- Observe product blending with Digital Input process control: At the control layer of the component tanks and blend headers, 3BHE029153R0101 UNS0119A-P,V101 performs its assigned control role as a digital input submodule. During blend correction, the system uses this function to adjust component addition from quality feedback, helping it bring the blend toward its release target.
- Coordinate recipe mixing with Digital Input process control: For the coordinated operation of the mixers and ingredient skids, 3BHE029153R0101 UNS0119A-P,V101 supports the configured automation role as a digital input submodule. During recipe changeover, the system uses this function to sequence material transfers and equipment permissives, helping it preserve the verified batch state.

Match 3BHE029153R0101 UNS0119A-P,V101 to the installed ABB Advant OCS and Advant-800xA, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[ABB ABB Advant OCS and Advant-800xA documentation](#)

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