

ABB ADVANT OCS AND ADVANT-800XA

Product Data Sheet

3BUS208797-001

standard signal condition board

FUNCTION standard signal condition board	FAMILY ABB Advant OCS and Advant-800xA	ORIGIN Switzerland	WEIGHT 0.14 kg
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ABB Advant OCS and Advant-800xA 3BUS208797-001 is a standard signal condition board 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

Channel-to-Channel Isolation	1500V AC
Field-to-System Isolation	2500V AC
ESD Protection	±8kV contact discharge
Operating Temperature	-20°C to +70°C
Storage Temperature	-40°C to +85°C
Number of Channels	8
Input Types Supported	4-20mA, 0-10V
Input Impedance	250Ω (current)
Maximum Input	24mA
Common Mode Rejection	>100dB @ 50/60Hz

ADDITIONAL PRODUCT DATA

Accuracy	±0.1% of span
Output Types	4-20mA (active/passive), 0-10V
Load Capacity	600Ω (current), 5mA (voltage)
Resolution	16-bit (0.0015% of span)
Update Rate	10ms per channel

OFFICIAL APPLICATIONS

- Align reactor charging with Standard Signal process control: Across the feed valves, vessels and agitators, 3BUS208797-001 serves its documented function as a standard signal condition board. During batch initiation, the system uses this function to sequence the material path against vessel readiness, helping it begin the reaction from a verified state.
- Support stock preparation with Standard Signal: Within the pulp chests and refiners, 3BUS208797-001 serves its documented function as a standard signal condition board. During grade change, the system uses this function to coordinate flow, consistency and equipment permissives, helping it deliver stable stock to the machine.
- Regulate aeration control with Standard Signal: As part of the blowers and dissolved-oxygen loops, 3BUS208797-001 serves its documented function as a standard signal condition board. During changing oxygen demand, the system uses this function to adjust air delivery from process feedback, helping it stabilize treatment performance.

SYSTEM COMPATIBILITY

Match 3BUS208797-001 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.

OFFICIAL SOURCES

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

<https://new.abb.com/control-systems>

AMIKON PRODUCT SUPPORT

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