

ABB ADVANT OCS AND ADVANT-800XA

Product Data Sheet

3BSE013283R1 TC514-2V2

industrial pcb card

FUNCTION industrial pcb card	FAMILY ABB Advant OCS and Advant-800xA	ORIGIN Switzerland	WEIGHT 0.10 kg
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ABB Advant OCS and Advant-800xA 3BSE013283R1 TC514-2V2 is a industrial pcb card 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

Input Voltage	Typically 24V DC
Operating Temperature Range	-20°C and 60°C
Storage Temperature	-40°C to 85°C
Exact Article Code	3BSE013283R1 TC514-2V2
Board Designation	TC514-2V2
Product Family	ABB Advant OCS and Advant-800xA
Component Type	Industrial Pcb Card
Assembly Class	ABB PCB assembly
System Interface	ABB Advant OCS and Advant-800xA 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

- Integrate aeration control with Industrial Pcb: In the automation chain for the blowers and dissolved-oxygen loops, 3BSE013283R1 TC514-2V2 provides its specified system function as a industrial pcb card. During changing oxygen demand, the system uses this function to adjust air delivery from process feedback, helping it stabilize treatment performance.
- Maintain distillation control with Industrial Pcb: Inside the columns, reboilers and reflux circuits, 3BSE013283R1 TC514-2V2 serves its documented function as a industrial pcb card. During feed-composition change, the system uses this function to coordinate temperature, pressure and inventory loops, helping it maintain separation performance.
- Manage pipeline pumping with Industrial Pcb process control: At the control layer of the mainline pumps and block valves, 3BSE013283R1 TC514-2V2 handles its designated signal or control duty as a industrial pcb card. During equipment switchover, the system uses this function to align pump duty with pressure and flow demand, helping it maintain controlled movement through the line.

Match 3BSE013283R1 TC514-2V2 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](#)

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

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