

B&R · B&R System 2005

3AO775.6

System 2005 8-Channel 0–20 mA Analog Output Module

Exact-model official B&R product evidence found

Technical specifications

Analog outputs	8
Output range	0 to 20 mA
Converter resolution	11 bit
Conversion time	250 µs for all outputs
Output protection	Short-circuit proof
Basic accuracy	±0.5% at 20°C
Channel-to-PLC isolation	Yes
Channel-to-channel isolation	No
Power consumption	24 V: 4.5 W; 5 V: 1.0 W; total 5.5 W
Diagnostics	Module software and converter LED
Required terminal block	1 x TB170 ordered separately
B&R ID code	\$A1
Degree of protection	IP20
Operating temperature	0 to 60°C
Certifications	CE, UKCA, cULus E115267
Dimensions (H x W x D)	16.5 x 4.0 x 11.0 cm

Documented role

B&R 3AO775.6 is a System 2005 analog output module with eight 0 to 20 mA channels, 11-bit conversion and short-circuit-protected outputs.

It generates current-loop setpoints for compatible valves, drives and process devices with simultaneous all-channel updates in 250 microseconds.

Applications

- Commanding 0–20 mA proportional valves and process actuators
- Providing multichannel setpoints to compatible drives and control devices
- Replacing a legacy current-output module while preserving scaling and fail-safe behavior

Selection note

B&R 3AO775.6 must be matched by complete material number, compatible System 2005 station or CPU, slot and terminal map, power and field wiring, saved project and connected devices. Back up the configuration and perform a controlled functional test after replacement.