

B&R · B&R System 2005

3DO479.6

System 2005 16-Channel 24 VDC Digital Output Module

Exact-model official B&R product evidence found

Technical specifications

Digital outputs	16
Output groups	2 groups of 8
Nominal voltage	24 VDC
Nominal output current	0.5 A per channel
Rated current per group	4.0 A
Total nominal current	8.0 A
Output circuit	Source
Output protection	Thermal shutdown, inductive-load protection, reverse-polarity protection
Group-to-group isolation	Yes
Channel-to-channel isolation	No, within the same group
Channel-to-PLC isolation	Yes
Internal power	1.0 W from 5 V
External 24 V power	4.0 W
Degree of protection	IP20
Operating temperature	0 to 60°C
Required terminal block	1 x TB170 ordered separately
B&R ID code	\$40
Certifications	CE, UKCA, cULus E115267
Dimensions (H x W x D)	16.5 x 4.0 x 11.0 cm

Documented role

B&R 3DO479.6 is a System 2005 digital output module with sixteen 24 VDC source transistor outputs arranged in two electrically isolated groups.

It switches valves, relays, indicators and other 24 VDC loads while providing channel status and integrated output protection.

Applications

- Switching 24 VDC solenoids, interposing relays and indicators
- Two-group machine output control with separate field-power sections
- Replacing a legacy output module while preserving safe states and terminal mapping

Selection note

B&R 3DO479.6 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.