

B&R · B&R System 2003

7DI135.70

System 2003 High-Speed Digital Input Module

Technical specifications

Digital inputs	4
Nominal input voltage	24 VDC
Input circuit	Sink
Incremental encoder operation	50 kHz
Event counter operation	100 kHz
Comparator output	1 x 24 VDC
Mounting	System 2003 screw-in module
Required terminal block	1 x TB712 ordered separately
Terminal block option 1	7TB712.9, 12-pin screw-clamp, 1.5 mm ²
Terminal block option 2	7TB712.91, 12-pin cage-clamp, 1.5 mm ²

Description

B&R 7DI135.70 is a four-channel 24 VDC sink-input screw-in module with incremental-encoder, event-counter and comparator-output functions.

It adds fast digital acquisition to compatible System 2003 CPUs and can evaluate an incremental encoder or count high-speed events.

Before installation or replacement, verify the compatible CPU slot, 24 VDC field wiring, sink input convention, TB712 terminal block, encoder signal levels, counter mode and comparator-output circuit.

Applications

- Incremental-encoder pulse acquisition up to the documented 50 kHz mode
- High-speed event counting up to the documented 100 kHz mode
- Fast 24 VDC machine-sensor acquisition with comparator-output response

Selection and replacement checks

B&R 7DI135.70 must be matched by complete material number, compatible System 2003 CPU or station, 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.