

B&R · B&R System 2003**7IF321.7**

System 2003 Isolated RS485/RS422 Interface Module

Technical specifications

Interfaces	1
Interface type	RS485 / RS422
Electrical isolation	Yes
Network capability	Yes
Mounting	System 2003 screw-in module
Connector	9-pin female D-sub
Maximum transfer rate	115.2 kbaud
Maximum distance	1200 m without repeater
Power consumption	Maximum 1.4 W
Protection rating	IP20
Operating temperature	0 to 60°C horizontal; 0 to 50°C vertical
Storage temperature	-25 to 70°C
Relative humidity	5 to 95%, non-condensing

Description

B&R 7IF321.7 is a network-capable System 2003 screw-in interface module with one electrically isolated RS485/RS422 port.

It adds differential serial networking to a compatible System 2003 CPU for supported multidrop or point-to-point devices.

Before installation or replacement, verify the RS485 or RS422 mode, network topology, baud rate and frame, node addressing, termination and bias, connector pinout, shielding and ground reference.

Applications

- RS485 multidrop communication with supported industrial devices
- RS422 point-to-point differential serial links
- Electrically isolated serial networking for System 2003 machine-control stations

Selection and replacement checks

B&R 7IF321.7 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.