



Data sheet

IM 253IBS, INTERBUS slave (253-1IB00)

Technical data

Order no.	253-1IB00
Type	IM 253IBS, INTERBUS slave
General information	
Note	-
Features	INTERBUS slave For 16 input and 16 output modules
Technical data power supply	
Power supply (rated value)	DC 24 V
Power supply (permitted range)	DC 20.4...28.8 V
Reverse polarity protection	
Current consumption (no-load operation)	50 mA
Current consumption (rated value)	800 mA
Inrush current	60 A
I ² t	0.6 A ² s
Max. current drain at backplane bus	3.5 A
Max. current drain load supply	-
Power loss	2 W
Status information, alarms, diagnostics	
Status display	yes
Interrupts	no
Process alarm	no
Diagnostic interrupt	no
Diagnostic functions	no
Diagnostics information read-out	none
Supply voltage display	green LED
Service Indicator	-
Group error display	red LED
Channel error display	none
Hardware configuration	
Racks, max.	1
Modules per rack, max.	16
Number of digital modules, max.	16
Number of analog modules, max.	4
Communication	
Fieldbus	INTERBUS-S to DIN 19258
Type of interface	RS422
Connector	Sub-D, 9-pin, male (in) and female (out)
Topology	Ring with integrated return line
Electrically isolated	

Number of participants, max.	256
Node addresses	-
Transmission speed, min.	-
Transmission speed, max.	500 kbit/s
Address range inputs, max.	20 Byte
Address range outputs, max.	20 Byte
Number of TxPDOs, max.	-
Number of RxPDOs, max.	-

Housing

Material	PPE / PA 6.6
Mounting	Profile rail 35 mm

Mechanical data

Dimensions (WxHxD)	25.4 mm x 76 mm x 78 mm
Weight	100 g

Environmental conditions

Operating temperature	0 °C to 60 °C
Storage temperature	-25 °C to 70 °C

Certifications

UL508 certification	yes
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