

## Data sheet

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

#### Technical data

<b>Order no.</b>	<b>253-1IB00</b>
Type	IM 253IBS, INTERBUS slave
<b>General information</b>	
Note	-
Features	INTERBUS slave For 16 input and 16 output modules
<b>Technical data power supply</b>	
Power supply (rated value)	DC 24 V
Power supply (permitted range)	DC 20.4...28.8 V
Reverse polarity protection	yes
Current consumption (no-load operation)	50 mA
Current consumption (rated value)	800 mA
Inrush current	60 A
$I^2t$	0.6 A <sup>2</sup> s
Max. current drain at backplane bus	3.5 A
Max. current drain load supply	-
Power loss	2 W
<b>Status information, alarms, diagnostics</b>	
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
<b>Hardware configuration</b>	
Racks, max.	1
Modules per rack, max.	16
Number of digital modules, max.	16
Number of analog modules, max.	4
<b>Communication</b>	
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	yes
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

UL certification	yes
KC certification	-