



Data sheet

IM 253DN, DeviceNET slave (253-1DN00)

Technical data

Order no.	253-1DN00
Type	IM 253DN, DeviceNET slave
General information	
Note	-
Features	Group 2 only Device - employs predefined connection set Baud rates: 125, 250, 500 kBit/s For max. 32 peripheral modules (8 analog)
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	65 A
$I_{\Delta t}$	0.85 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	yes
Diagnostics information read-out	none
Supply voltage display	yes
Service Indicator	-
Group error display	yes
Channel error display	none
Hardware configuration	
Racks, max.	1
Modules per rack, max.	32
Number of digital modules, max.	32
Number of analog modules, max.	8
Communication	
Fieldbus	DeviceNet
Type of interface	CAN
Connector	5-pin Open Style Connector
Topology	Linear bus with bus termination at both ends
Electrically isolated	

Number of participants, max.	64
Node addresses	0 - 63
Transmission speed, min.	125 kbit/s
Transmission speed, max.	500 kbit/s
Address range inputs, max.	256 Byte
Address range outputs, max.	256 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	90 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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