

Data sheet

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

Technical data

Order no.	253-1DN00
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Type	IM 253DN, DeviceNET slave
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General information

Note	-
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Features	Group 2 only Device - employs predefined connection set Baud rates: 125, 250, 500 kBit/s For max. 32 peripheral modules (8 analog)
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Technical data power supply

Power supply (rated value)	DC 24 V
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Power supply (permitted range)	DC 20.4...28.8 V
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Reverse polarity protection	yes
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Current consumption (no-load operation)	50 mA
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Current consumption (rated value)	800 mA
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Inrush current	65 A
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$I_{\Delta t}$	0.85 A ² s
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Max. current drain at backplane bus	3.5 A
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Max. current drain load supply	-
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Power loss	2 W
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Status information, alarms, diagnostics

Status display	yes
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Interrupts	no
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Process alarm	no
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Diagnostic interrupt	no
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Diagnostic functions	yes
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Diagnostics information read-out	none
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Supply voltage display	yes
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Service Indicator	-
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Group error display	yes
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Channel error display	none
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Hardware configuration

Racks, max.	1
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Modules per rack, max.	32
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Number of digital modules, max.	32
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Number of analog modules, max.	8
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Communication

Fieldbus	DeviceNet
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Type of interface	CAN
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Connector	5-pin Open Style Connector
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Topology	Linear bus with bus termination at both ends
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Electrically isolated	yes
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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

UL certification	yes
KC certification	-