

Data sheet
 IM 253NET, Ethernet slave (253-1NE00)

Technical data

Order no.	253-1NE00
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Type	IM 253NET, Ethernet slave
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General information

Note	-
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Features	DC 24 V 10/100 Mbit/s Ethernet coupler with Modbus/TCP and Siemens S5 Header Protocoll For up to 32 peripheral modules Max. 256 Byte I/O data RJ45 100BaseTX, 10BaseT
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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)	80 mA
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Current consumption (rated value)	1 A
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Inrush current	65 A
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I ² 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	2.5 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	no
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Diagnostics information read-out	possible
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Supply voltage display	yes
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Service Indicator	-
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Group error display	red LED
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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.	16
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Communication

Fieldbus	Ethernet MODBUS/TCP and Siemens S5 Header
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Type of interface	Ethernet 10/100 MBit
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Connector	RJ45
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Topology	Star topology
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Electrically isolated	yes
Number of participants, max.	8
Node addresses	IP V4 address
Transmission speed, min.	10 Mbit/s
Transmission speed, max.	100 Mbit/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
Net weight	90 g
Weight including accessories	-
Gross weight	-

Environmental conditions

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

Certifications

UL certification	yes
KC certification	-