

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	-
Features	DC 24 V 10/100 Mbit/s Ethernet coupler with Modbus/TCP and Siemens S5 Header Protocol For up to 32 peripheral modules Max. 256 Byte I/O data RJ45 100BaseTX, 10BaseT

Technical data power supply

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)	80 mA
Current consumption (rated value)	1 A
Inrush current	65 A
I^2t	0.85 A²s
Max. current drain at backplane bus	3.5 A
Max. current drain load supply	-
Power loss	2.5 W

Status information, alarms, diagnostics

Status display	yes
Interrupts	no
Process alarm	no
Diagnostic interrupt	no
Diagnostic functions	no
Diagnostics information read-out	possible
Supply voltage display	yes
Service Indicator	-
Group error display	red LED
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.	16

Communication

Fieldbus	Ethernet MODBUS/TCP and Siemens S5 Header
Type of interface	Ethernet 10/100 MBit
Connector	RJ45
Topology	Star topology
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	-