

Data sheet

IM 053IP - EtherNet/IP slave (053-1IP01)

Technical data

Order no.	053-1IP01
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Type	IM 053IP - EtherNet/IP slave
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Module ID	-
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General information

Note	-
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Features	2-Port Switch RJ45 100BaseTX full duplex Up to 64 peripheral modules Supports FMM (Free Module Mapping) Various diagnostics functions Integrated DC 24V power supply for power and electronic section supply of the periphery modules Supports HotConnect, Easy Maintenance Web server integrated Status LEDs
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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)	95 mA
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Current consumption (rated value)	0.95 A
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Inrush current	3.9 A
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$I_{\Delta t}$	0.14 A ² s
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Max. current drain at backplane bus	3 A
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Max. current drain load supply	10 A
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Power loss	3 W
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Status information, alarms, diagnostics

Status display	yes
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Interrupts	yes, parameterizable
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Process alarm	yes, parameterizable
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Diagnostic interrupt	yes, parameterizable
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Diagnostic functions	yes, parameterizable
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Diagnostics information read-out	possible
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Supply voltage display	green LED
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Service Indicator	yellow LED
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Group error display	red SF 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.	64
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Number of digital modules, max.	64
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Number of analog modules, max.	64
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Communication

Fieldbus	EtherNet/IP
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Type of interface	Ethernet 100 MBit
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Connector	2 x RJ45
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Topology	Line, Star
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Electrically isolated	yes
Number of participants, max.	-
Node addresses	IP V4 address
Transmission speed, min.	100 Mbit/s
Transmission speed, max.	100 Mbit/s
Address range inputs, max.	1 KB
Address range outputs, max.	1 KB
Number of TxPDOs, max.	-
Number of RxPDOs, max.	-
Supported profile	-
Supported transfer cycle	-
Cyclic data size per node	-
Max. Number of nodes	-
Supported communication method	-
Supported command "Cyclic"	-
Supported command "Event driven"	-
Supported command "Message"	-

Datasizes

Input bytes	-
Output bytes	-
Parameter bytes	-
Diagnostic bytes	-

Housing

Material	PPE / PPE GF10
Mounting	Profile rail 35 mm

Mechanical data

Dimensions (WxHxD)	48.5 mm x 109 mm x 76.5 mm
Net weight	160 g
Weight including accessories	160 g
Gross weight	175 g

Environmental conditions

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

Certifications

UL certification	yes
KC certification	yes
UKCA certification	-
ChinaRoHS certification	-