

Datasheet

Industrial Fast Ethernet Bridging Converter 1x 10/100Base-TX, 1x 100Base-FX SFP

MS656059



Features

Fast Ethernet Bridging Converter

- Fanless Fast Ethernet industrial bridging converter
- 1x 10/100Base-TX RJ-45
- 1x 100Base-FX
- 100Base-FX SFP port

Connectors

- 1x 100Base-FX SFP port
- 1x 10/100Base-TX
- Auto MDI/MDI-X function

Configuration

- Manually with DIP-Switches
- Full-/Halfduplex

Enclosure

- DIN-Rail and wall mounting enabled
- Rigid IP-30 housing

Power

- Input 2x 12...48 VDC (typ. 24 VDC), redundant
- Consumption typ. 2.2 Watts
- Reverse polarity protection
- Overload current protection

Technical data

Standarts

Ethernet	IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-T(X) and 100Base-FX, IEEE 802.3x for Flow control
Performance	Store-and-forward

Environmental

Operating Temp.	-40..+70 °C
Operating Hum.	5 ..95%, not-condensing
Storage Temp.	-40..+85 °C

Uplink (Fiber)

Number	1
Type	Fast Ethernet 100Base-FX
Connector	SFP

Local port (Twisted-Pair)

Number	1
Type	Fast Ethernet, Dual Speed 10/100Base-TX
Connector	RJ-45 jack, shielded
Cable	Shielded Twisted-Pair cable, Cat. 5, 100 ohm, max. length 100 m
Functions	Auto MDI/MDI-X, Auto Polarity

LED Indicators

Link	green blinking Acting on Port link off Link down
Power	green on power input on-line off power input off-line

Power

Connector	4-pin screw terminal
Input	Dual 12..48 VDC
Consumption	2.2 Watts
Safety	Overload current protection, Reverse polarity protection

DIP Switches

DIP-Switch 1	LFP mode selection : (ON) enable / (OFF) disable
DIP-Switch 2	Ethernet speed selection : (ON)10Mbps / (OFF) 10/100Mbps Auto-negotiate
DIP-Switch 3	Ethernet full/half duplex selection
DIP-Switch 3	fiber full/half duplex selection

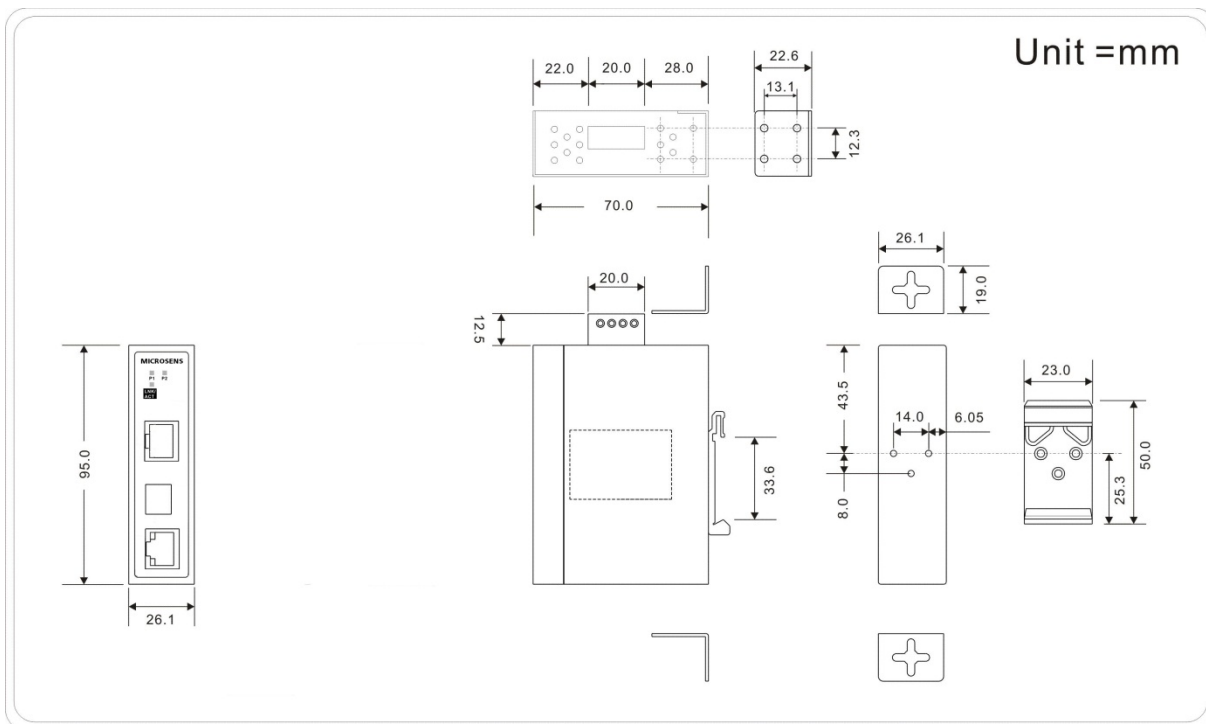
Physical Characteristics

Dimensions	26.1 (W) x 70 (D) x 95 (H)mm
Mounting	Integrated DIN-rail-kit
Weight	218 g


Regulatory approvals

EMI/EMS	EN55022 EN50155 EN61000-4-2 EN61000-4-3 EN61000-4-4 EN61000-4-5 EN61000-4-6 EN61000-4-8 EN61000-4-11
Safety	EN60950-1
Stability	IEC60068-2-32 (free fall) IEC60068-2-27 (shock) IEC60068-2-6 (vibration)
Ethernet	802.3 10Base-T 802.3u 100Base-TX 802.3x Flow Control and Back Pressure

Drawing



Ordering information

	Description	Prod.-Nr.
	Converter	
	Industrial Fast Ethernet Bridging Converter 1x 10/100Base-TX, 1x 100Base-FX, SFP port	MS656059
	Power supply	
	Hat-rail power supply 24 Watt 24 V / 1,0 A, wide range input 85-264 VAC, 85..375 VDC	MS700420

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