

Data sheet

LF-DI10-IP

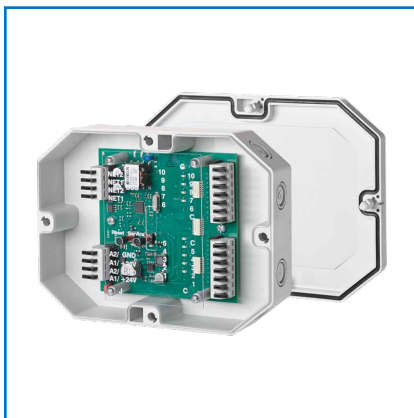
LON module with digital inputs

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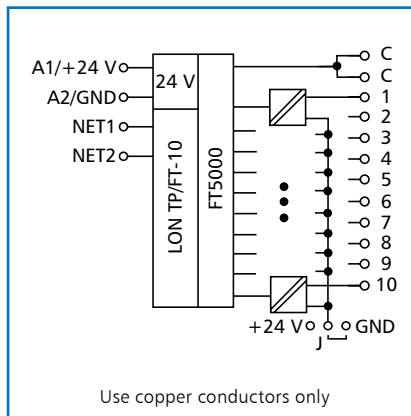
Part number
1108511319IP

2015-03-19

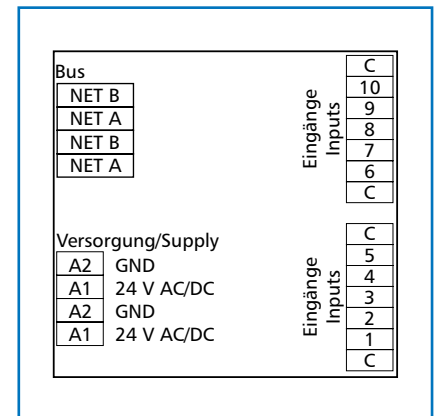
Illustrations



Principle diagram



Wiring



Product description

The LON module in an IP65 housing with 10 digital inputs was developed for decentralized switching tasks. It is suitable for detecting potential-free switch states, for example electrical limit switches on vent valves or auxiliary contacts of power contactors.

The inputs can be used as contact or voltage inputs and scanned individually or simultaneously by SNVT network variables.

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Technical data

LON interface

Transceiver	TP/FT-10 free topology
Neuron	FT5000
Data format	Standard network variables (SNVT)
Transmission rate	78 kBit/s
Max. length	
Line topology	2700 m / 64 nodes
Free topology	500 m / 64 nodes
Cabling	Twisted Pair

Supply

Operating voltage range	20 to 28 V AC/DC (SELV)
Current consumption	63 mA (AC) / 21 mA (DC)
Relative duty cycle	100 %
Recovery time	550 ms

Inputs

Inputs	10x digital, contact or voltage
Voltage input	30 V AC/DC
High-signal recognition	<7 V AC/DC

Housing

Dimensions WxHxD	6.299 x 1.602 x 4.724 in. (160 x 40.7 x 120 mm)
Weight	300 g
Mounting position	any
Mounting	directly on a flat surface 8 knock-out openings for M12 and M16 cable glands
Material	
Housing	ASA + polycarbonate
Terminal blocks	polyamide 6.6 V0
Cover plate	polycarbonate
Type of protection (IEC 60529)	
Housing	IP65

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Technical data

Terminal blocks	
Supply and bus	
Terminal block	4-pole
Solid wire	max. AWG 16 (1.5 mm ²)
Stranded wire	max. AWG 18 (1.0 mm ²)
Wire diameter	0.3 mm to max. 1.4 mm
Module connection, digital inputs	
Solid wire	max. AWG 16 (1.5 mm ²)
Stranded wire	max. AWG 18 (1.0 mm ²)
Wire diameter	0.3 mm to max. 1.4 mm
Protective circuitry	Polarity reversal protection of operating voltage Polarity reversal protection of supply and bus
Temperature range	
Operation	23 °F to 131 °F (-5 °C to +55 °C)
Storage	-4 °F to +158 °F (-20 °C to +70 °C)
Display	
Operation	green LED
Status (service)	yellow LED
State of inputs	yellow LEDs
Additional documents	
Software description, mounting note, certificates	All additional documents are available for download at www.metz-connect.com



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Dimensional drawing

