

Data sheet

Page 1/4

LF-CI4

Part number
1108601332

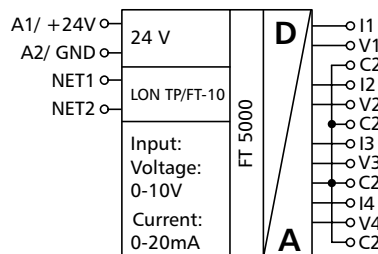
LON module with analog inputs

2015-03-20

Illustrations

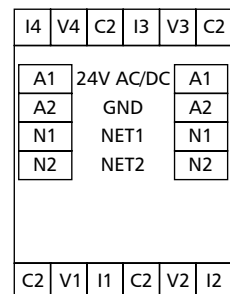


Principle diagram



Use copper conductors only

Wiring



Product description

The LON module with 4 current and 4 voltage inputs was developed for decentralized switching tasks. It is suitable for detecting currents and voltages, for example, in industrial applications and refrigeration.

The inputs can be scanned by SNVT network variables. Suitable for decentralized mounting on DIN TH35 rail according to IEC 60715 in electrical distribution cabinets.

Data sheet
LF-CI4
LON module with analog inputs

Page 2/4
Part number
1108601332
2015-03-20

Technical data

Approvals

C-UL Certification	Open Energy Management Equipment 34TZ
--------------------	---------------------------------------

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	67 mA (AC) / 24 mA (DC)
Relative duty cycle	100 %
Recovery time	550 ms

Inputs

Inputs	4x current 4x voltage
Voltage input	0 to 20 mA DC or 4 to 20 mA DC
Resolution	0.05 mA
Error	1 %
Voltage input max.	0 to 10 V DC 11 V DC
Resolution	10 mV (0.0 to 100 %)
Input resistance	10 kOhm

Data sheet
LF-CI4
LON module with analog inputs

Page 3/4
Part number
1108601332
2015-03-20

Technical data

Housing	
Dimensions WxHxD	1.378 x 2.728 x 2.362 in. (35 x 69.3 x 60 mm)
Weight	84 g
Mounting position	any
Mounting	on TH35 rail per IEC 60715
Side-by-side mounting	Without space The maximum quantity of LON modules connected side-by-side is limited to 15 or to a maximum power consumption of 2 Amps (AC or DC) per connection to the power supply. For any similar block of additional modules a separate connection to the power supply is necessary.
Material	
Housing	polyamide 6.6 V0
Terminal blocks	polyamide 6.6 V0
Cover plate	polycarbonate
Type of protection (IEC 60529)	
Housing	IP40
Terminal blocks	IP20
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, analog inputs	
Solid wire	max. AWG 12 (4 mm ²)
Stranded wire	max. AWG 14 (2.5 mm ²)
Wire diameter	0.3 mm to max. 2.7 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
Additional documents	
Software description, mounting note, certificates	All additional documents are available for download at www.metz-connect.com



Data sheet
LF-CI4
LON module with analog inputs

Page 4/4
Part number
1108601332
2015-03-20

Dimensional drawing

