L0LH0301Obelix Thermistors Module Type A

The LOLH0301 Mining PLC Thermistor Module provides sixteen (16) inputs for monitoring resistive-type temperature sensors

Both PT100 and Thermistor type RTDs are supported. With built-in high voltage isolation; the module is very well suited to monitoring temperature sensors inside electric motor windings.

- **Embedded Thermistor Module** 16 Thermistor / RTD Inputs Voltage 18VDC Microprocessor Controlled
- Outputs: None
- Connector 1: Obelix A2 (24VDC Input + CAN Bus)
- Connector 2: Obelix A16 (Resistor Inputs and separate 12VAC supply)
- **CAN Network Opto-Coupler Isolation** CAN 2.0B Compatible Throughput 500kbs (Supports Autobaud)
- Operates -20°C to +70°C All industrial components
- **Heavy Duty Enclosure Electros Nickel Plated Rugged Construction**
- Supply Input

1: 24VDC (+/- 10%) / 3 Watts (Max)Supply Input 2: 12VAC (+/- 15%) / 2 Watts (Max)

Material

Enclosure is Electroless nickel plated mild steel Facia is stainless steel Mounting brackets are stainless steel

Fasteners

M5 x 10mm x 4 M4 x 10mm x 8 M3 x 10mm x 10

Mass 2.5kg (5.5lb)



Typical Applications

- Continuous Bolter/Miners
- Continuous Haulage
- Long Wall Shearers
- **Mobile Bolters**
- Mobile Roof Supports
- **Remote Control Scoops**
- **Remote Control Loaders**
- Any industrial power supply application

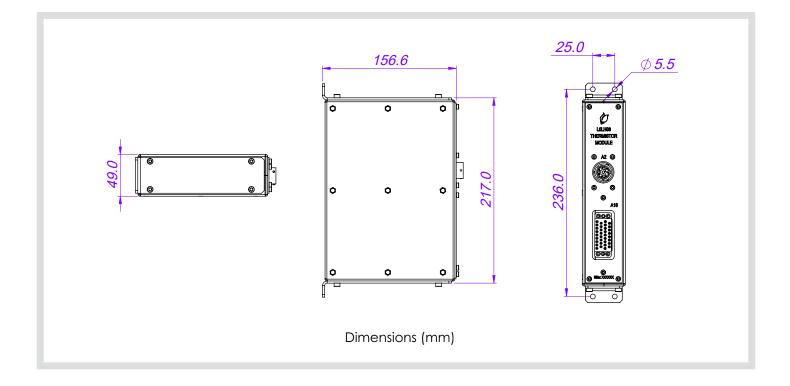
Datasheet-LOLH0301

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LOLH0301 Obelix Thermistors Module Type A



CONNECTOR A2

PIN	Connector A2 Burndy Female 8 Way	Signal
A2-A	Supply Input	24VDC Supply Input
A2-B	Supply Input	0VDC Supply Input
A2-C	CAN A (Positive)	Communications
A2-D	CAN A (Positive)	Communications
A2-E	CAN A (Negative)	Communications
A2-F	CAN A (Negative)	Communications
A2-G	Termination Link 1 - 1	Termination Link Input
A2-H	Termination Link 1 - 2	Termination Link Input

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L0LH0301 Obelix Thermistors Module Type A

CONNECTOR A16

PIN	Connector A16 V35 Female 34 Way	Signal
A14-A	Supply Input	12VAC Active
A14-B	Supply Input	12VAC Neutral
A14-C	Thermistor Input 1 (A)	18VDC Supply
A14-D	Thermistor Input 1 (B)	18VDC Return
A14-E	Thermistor Input 2 (A)	18VDC Supply
A14-F	Thermistor Input 2 (B)	18VDC Return
A14-H	Thermistor Input 3 (A)	18VDC Supply
A14-J	Thermistor Input 3 (B)	18VDC Return
A14-K	Thermistor Input 4 (A)	18VDC Supply
A14-L	Thermistor Input 4 (B)	18VDC Return
A14-M	Thermistor Input 5 (A)	18VDC Supply
A14-N	Thermistor Input 5 (B)	18VDC Return
A14-P	Thermistor Input 6 (A)	18VDC Supply
A14-R	Thermistor Input 6 (B)	18VDC Return
A14-S	Thermistor Input 7 (A)	18VDC Supply
A14-T	Thermistor Input 7 (B)	18VDC Return
A14-U	Thermistor Input 8 (A)	18VDC Supply
A14-V	Thermistor Input 8 (B)	18VDC Return
A14-W	Thermistor Input 9 (A)	18VDC Supply
A14-X	Thermistor Input 9 (B)	18VDC Return
A14-Y	Thermistor Input 10 (A)	18VDC Supply
A14-Z	Thermistor Input 10 (B)	18VDC Return
A14-AA	Thermistor Input 11 (A)	18VDC Supply
A14-BB	Thermistor Input 11 (B)	18VDC Return
A14-CC	Thermistor Input 12 (A)	18VDC Supply
A14-DD	Thermistor Input 12 (B)	18VDC Return
A14-EE	Thermistor Input 13 (A)	18VDC Supply
A14-FF	Thermistor Input 13 (B)	18VDC Return
A14-HH	Thermistor Input 14 (A)	18VDC Supply
A14-JJ	Thermistor Input 14 (B)	18VDC Return
A14-KK	Thermistor Input 15 (A)	18VDC Supply
A14-LL	Thermistor Input 15 (B)	18VDC Return
A14-MM	Thermistor Input 16 (A)	18VDC Supply
A14-NN	Thermistor Input 16 (B)	18VDC Return





Image depict coding pins required

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L0LH0301 Obelix Thermistors Module Type A

Connector Assembly

Part Number	Description
HOLHO101	Connector Assembly A16

Connector Assembly Specifications

- Product Type: Pre-manufactured cable assembly
- Construction: Connector with flying leads (pigtail)
- Connector 1: Obelix A16 Male Plug (34-pin) .
- Connector 2: Unterminated, flying leads
- Conductors: 34
- Cable Length: 2.2 metres
- Pin Type: Female (Gold-plated)
- Conductor Type: PVDF Tinned Stranded Wire
- Insulation Rating: 600 volts
- Temperature Rating: -65°C to 105 °C
- Recommended Tools: PVDF / Teflon Insulation Stripping Tool

Cable options can vary depending on customer requirements.

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