

L0LJ0101 Obelix Industrial Digital Input Module 110VAC

The L0LJ0101 Obelix Mining PLC Digital Input Module supports forty-eight (48) digital inputs (110-volt A.C.)

An industry-standard CAN (Controller Area Network) connection provides a host PLC with the ability to monitor all inputs and module status.

Uniquely Keyed Type A connectors to prevent incorrect machine installation

Embedded 110VAC Digital Input Module

48 x 110VAC Digital Inputs

Microprocessor Sampling Control

Connector 1

Obelix A2 (24VDC Input + CAN Bus)

Connector 2

Obelix A63 (Digital Inputs)

Outputs

None

Supply Input 1

24VDC (+/- 10%) / 3 Watts (Max)

Data Communications

Opto-Coupler Isolation

CAN 2.0B Compatible

Obelix CAN (A2)

Operates -10 C to +70 C

All industrial components

Heavy Duty Enclosure

Electros Nickel Plated

Rugged Construction

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

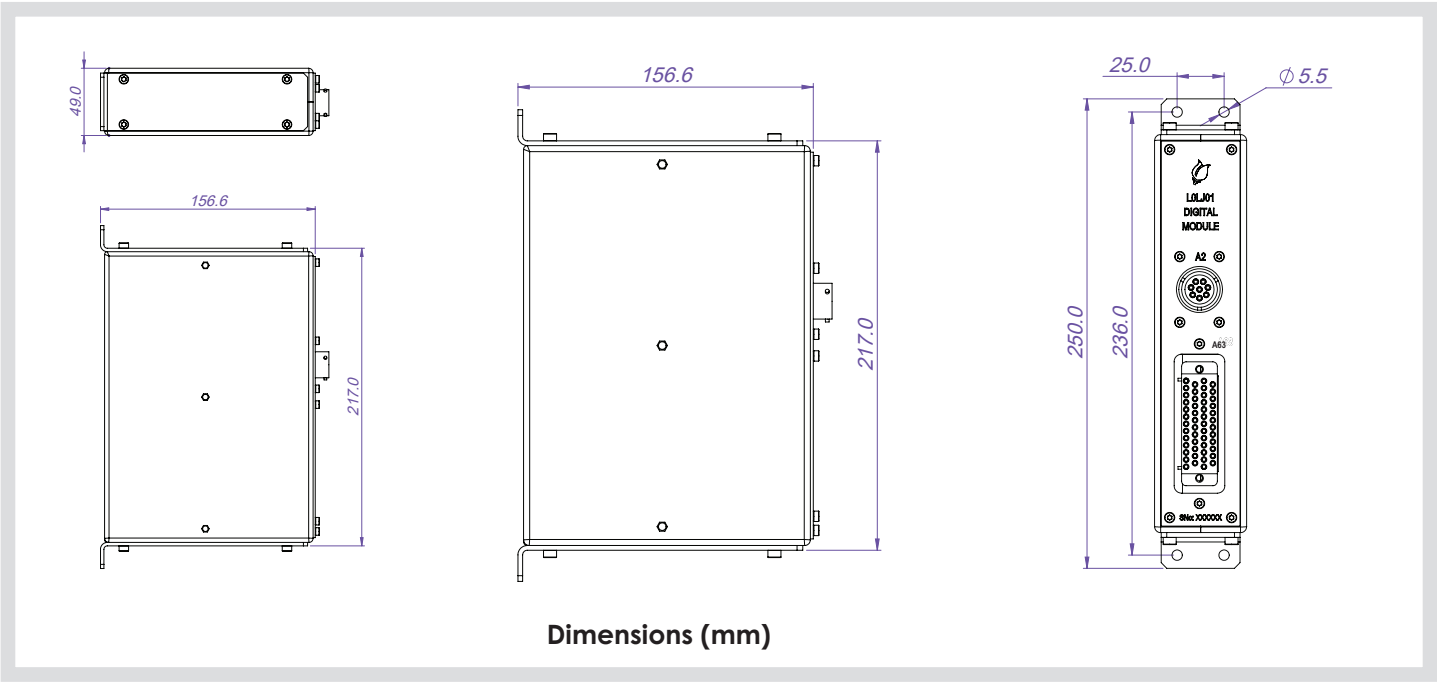
2.5kg (5.5lb)



Typical Application

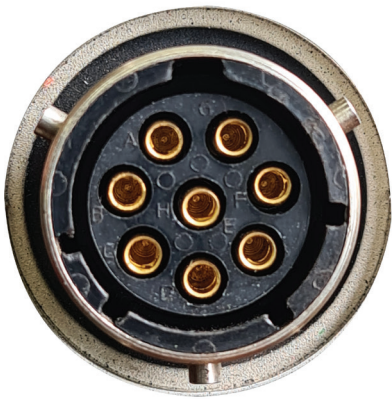
- Continuous Bolter/Miners
- Continuous Haulage
- Long Wall Shearers
- Mobile Bolters
- Mobile Roof Supports
- Remote Control Scoops
- Remote Control Loaders
- Any industrial power supply application

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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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CONNECTOR A63

| PIN | Connector A63 GAPL 50 Female 50 Way | Signal |
|--------|---|----------------|
| A19-A | Digital Input 23 | 110VAC Active |
| A19-B | Digital Input 22 | 110VAC Active |
| A19-C | Digital Input 11 | 110VAC Active |
| A19-D | Digital Input 21 | 110VAC Active |
| A19-E | Digital Input 12 | 110VAC Active |
| A19-F | Digital Input 17 | 110VAC Active |
| A19-H | Digital Input 24 | 110VAC Active |
| A19-J | Digital Input 18 | 110VAC Active |
| A19-K | Digital Input 10 | 110VAC Active |
| A19-L | Digital Input 19 | 110VAC Active |
| A19-M | Digital Input 20 | 110VAC Active |
| A19-N | Digital Input 9 | 110VAC Active |
| A19-P | Digital Input 16 | 110VAC Active |
| A19-R | Digital Input 32 | 110VAC Active |
| A19-S | Digital Input 15 | 110VAC Active |
| A19-T | Digital Input 31 | 110VAC Active |
| A19-U | Digital Input 14 | 110VAC Active |
| A19-V | Digital Input 30 | 110VAC Active |
| A19-W | Digital Input 13 | 110VAC Active |
| A19-X | Digital Input 29 | 110VAC Active |
| A19-Y | Digital Input 1 | 110VAC Active |
| A19-Z | Digital Input 25 | 110VAC Active |
| A19-a | Digital Input 2 | 110VAC Active |
| A19-b | Digital Input 26 | 110VAC Active |
| A19-c | Digital Input 3 | 110VAC Active |
| A19-d | Digital Input 27 | 110VAC Active |
| A19-e | Digital Input 4 | 110VAC Active |
| A19-f | Digital Input 28 | 110VAC Active |
| A19-h | Digital Input 8 | 110VAC Active |
| A19-j | Digital Input 37 | 110VAC Active |
| A19-k | Digital Input 7 | 110VAC Active |
| A19-m | Digital Input 38 | 110VAC Active |
| A19-n | Digital Input 6 | 110VAC Active |
| A19-p | Digital Input 39 | 110VAC Active |
| A19-r | Digital Input 5 | 110VAC Active |
| A19-s | Digital Input 40 | 110VAC Active |
| A19-t | Digital Input 33 | 110VAC Active |
| A19-u | Digital Input 34 | 110VAC Active |
| A19-v | Digital Input 35 | 110VAC Active |
| A19-w | Digital Input 36 | 110VAC Active |
| A19-x | Digital Input 44 | 110VAC Active |
| A19-y | Digital Input 45 | 110VAC Active |
| A19-z | Digital Input 43 | 110VAC Active |
| A19-AA | Digital Input 47 | 110VAC Active |
| A19-BB | Digital Input 46 | 110VAC Active |
| A19-CC | Digital Input 48 | 110VAC Active |
| A19-DD | Digital Input 41 | 110VAC Active |
| A19-EE | Digital Input 42 | 110VAC Active |
| A19-FF | Reference Supply Input | 110VAC Neutral |
| A19-HH | Reference Supply Input | 110VAC Neutral |

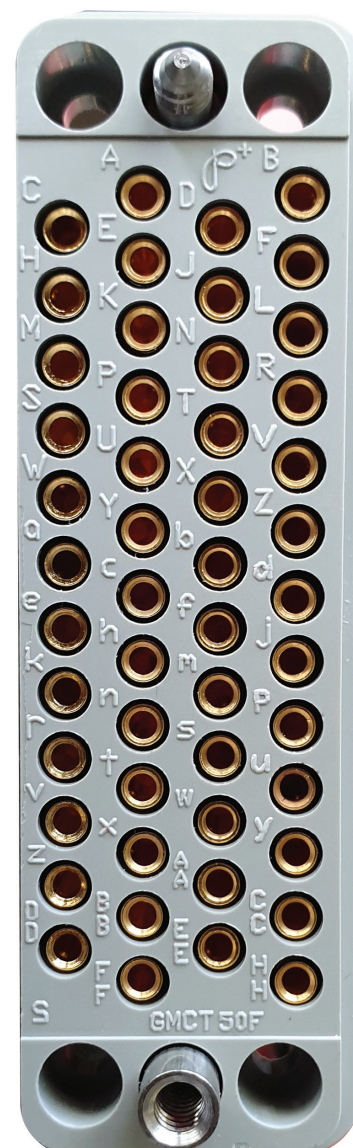


Image depict coding pins required

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Connector Assembly

| Part Number | Description |
|-------------|------------------------|
| H0LJ0101 | Connector Assembly A63 |

Connector Assembly Specifications

- **Product Type:** Pre-manufactured cable assembly
- **Construction:** Connector with flying leads (pigtail)
- **Connector 1 :** Obelix A63 Male Plug (50-pin)
- **Connector 2:** Underminated, flying leads
- **Conductors:** 50
- **Cable Length:** 2.2 metres
- **Pin Type:** Male (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