# LORE0101 Obelix Apitech Solenoid Module Type A

The LORE Obelix Mining PLC Solenoid Driver Module provides PWM - controlled proportional outputs in a compact, robust form factor that is well suited to mobile mining applications.

The industry-standard CAN (Controller Area Network) connection provides a host PLC with the ability to control and monitor all outputs.

Uniquely Keyed Type A & Type B connector to prevent incorrect machine installation

Solenoid supply voltage to module from 8 to 24-volt d.c. (well suited to both 12-volt and 24 volt solenoids)

32 x PWM current-controlled proportional outputs (up to 1A continuous rating)

Module Type: Multi-channel Solenoid Driver

Supply Input: +8 VDC to +24VDC (+/-10%) / 800 Watts (Max) (based on output loads)

Data Communications: Obelix CAN (A2)

**Operating Temperature:** -20°C to 70°C

Inputs: None

Outputs: 32 x PWM Current-regulated Outputs (1 A Maximum)

Connector 1: Obelix A2 (CAN Bus)

Connector 2: Obelix A59(PWM Outputs and Module Supply Input)

Connector 2: LORE0201 Obelix B59(PWM Outputs and Module Supply Input)



**Connector Assembly** 

Part Number	Description
HOREO101	Connector Assembly A59

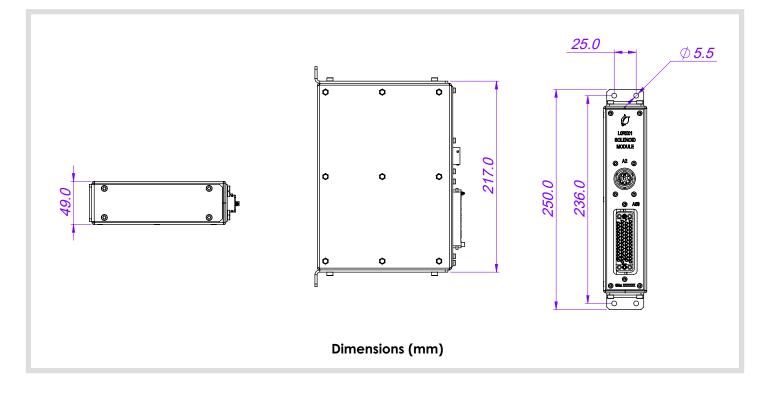
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## **CONNECTOR A2**

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 A59**

Number	Unit / PCB GMCT50F Female Board Mount PIN		Name		
1	А				
2	В	0VDC			
3	С	MODULE-SEL-1			
4	D	8-24VDC SUPPLY			
5	E				
6	F	0VDC			
7	Н	0VDC			
8	J	8-24VDC SUPPLY			
9	К	SOL-1			
10	L	SOL-2			
11	Μ	MODULE-SEL-2			
12	Ν	SOL-3			
13	Р	SOL-4			
14	R	SOL-5			
15	S	0VDC			
16	T	SOL-6			
17	U	SOL-7			
18	V	SOL-8			
19	W	MODULE-SEL-3			
20	Х	SOL-9			
21	Y	SOL-10			
22	Z	SOL-11			
23	a	0VDC			
24	b	SOL-12			
25	С	SOL-13			
26	d	SOL-14			
27	е				
28	f	SOL-15			
29	h	SOL-16			
30	j	SOL-17			
31	k				
32	m	SOL-18			
33	n	SOL-19			
34	р	SOL-20			
35	r				
36	S	SOL-21			
37	t	SOL-22			
38	U	SOL-23			
39	V				
40	W	SOL-24			
41	х	SOL-25			
42	У	SOL-26			
43	Z				
44	AA	SOL-27			
45	BB	SOL-28			
46	CC	SOL-29			
47	DD				
48	EE	SOL-30			
49	FF	SOL-31			
50	HH	SOL-32			





Image depict coding pins required

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