GLOBUS Electronics

ECU
FLEX

HVAC + R

STANDARD

CABIN / MUX

CHARACTERISTICS

- Customizable software
- Data Logger
- Configurable I/Os
- CAN Bus Interface
- One wire Interface
- RS-485 Interface

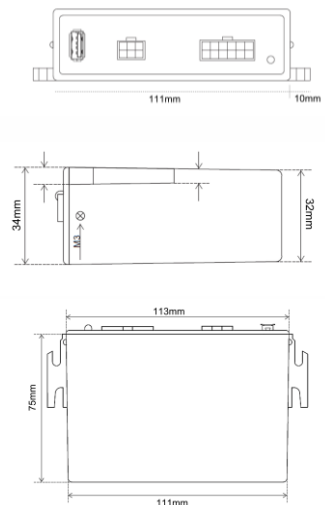## CONFIGURATION OPTIONS

- According to Hardware table.

CONNECTORS

MINI-FIT 6 vias
Part Number: 4202P0612T1

MINI-FIT 8 vias
Part Number: 39-01-2080

MINI-FIT 10 vias
Part Number: 39-01-2100

MINI-FIT 12 vias
Part Number: 39-01-2120

MINI-FIT 16 vias
Part Number: 39-01-2160

Terminal - PN: 39-00-0038
Fabricante: Molex

TECHNICAL DATA

TECHNICAL DATA	
OPERATING VOLTAGE	12 VDC / 24 VDC
OPERATING VOLTAGE RANGE	10 VDC to 30 VDC
MAXIMUM VOLTAGE	32 VDC during 5min
OUTPUT MAXIMUM CURRENT	500mA
OUTPUT SHORT-CIRCUIT	Protected*
REVERSE POLARITY	Protected*
OPERATING TEMPERATURE RANGE	-40°C to +85°C / -40°F to +185°F
STORAGE TEMPERATURE	-40°C to +85°C / -40°F to +185°F
TEMPERATURE SENSOR	NTC
PROTECTION DEGREE	IP 30
COMMUNICATION	CAN Bus / One Wire / RS-485
MAXIMUM CURRENT CONSUMPTION	140mA @ 12VDC / 60mA @ 24VDC **
STANDBY CONSUMPTION	**

Approximated weight: 130g

111mm   10mm

34mm   M3   32mm

113mm

75mm

111mm

* According to product configuration. ** Consumption may vary according to customer specifications.
We keep the right to update or change information regarding products without prior notice.

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ECU
FLEX PRODUCT CONFIGURATIONS

Choose the best options for your system

PIN CN1	ECU FLEX | POSSIBLE CONFIGURATIONS HARDWARE 1					
1	CAN L	OR	--	OR	--	
2	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	BRIDGE H1	
3	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	BRIDGE H1	
4	CAN H	OR	--	OR	--	
5	DIGITAL OUTPUT NEGATIVE 0.5A	OR	--	OR	--	
6	DIGITAL OUTPUT NEGATIVE 0.5A	OR	--	OR	--	
PIN CN2						
1	ANALOG OUTPUT	OR	--	OR	--	
2	GND ANALOG OUTPUT	OR	--	OR	--	
3	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	BRIDGE H2	
4	--	OR	--	OR	--	
5	ANALOG INPUT	OR	DIGITAL INPUT	OR	--	
6	ANALOG OUTPUT	OR	--	OR	--	
7	GND ANALOG OUTPUT	OR	--	OR	--	
8	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	BRIDGE H2	
9	TRANSDUCER POWER SUPPLY	OR	--	OR	--	
10	GND	OR	--	OR	--	
PIN CN3						
1	ANALOG INPUT	OR	DIGITAL INPUT	OR	--	
2	GND	OR	--	OR	--	
3	DIGITAL INPUT	OR	--	OR	--	
4	DIGITAL INPUT	OR	--	OR	--	
5	ONE WIRE	OR	--	OR	--	
6	GND	OR	--	OR	--	
7	ANALOG INPUT	OR	DIGITAL INPUT	OR	--	
8	GND	OR	--	OR	--	
9	DIGITAL INPUT	OR	--	OR	--	
10	DIGITAL INPUT	OR	--	OR	--	
11	POWER SUPPLY	OR	--	OR	--	
12	POWER SUPPLY	OR	--	OR	--	

ECU
FLEX PRODUCT CONFIGURATIONS

PIN CN1	ECU FLEX | POSSIBLE CONFIGURATIONS HARDWARE 2							
1	TRANSDUCER POWER SUPPLY 5V	OR	–	OR	–	OR	–
2	POWER SUPPLY	OR	--	OR	–	OR	–
3	CAN L	OR	--	OR	–	OR	–
4	CAN H	OR	--	OR	–	OR	–
5	GND	OR	--	OR	–	OR	–
6	RS-485 D+	OR	--	OR	–	OR	–
7	RS-485 D-	OR	--	OR	–	OR	–
8	ONE WIRE	OR	ANALOG INPUT	OR	DIGITAL INPUT	OR	–
PIN CN2							
1	GND	OR	–	OR	–	OR	–
2	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	BRIDGE H1	OR	PWM OUTPUT
3	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	BRIDGE H2	OR	PWM OUTPUT
4	DIGITAL OUTPUT NEGATIVE 0.5A	OR	PWM OUTPUT	OR	–	OR	–
5	DIGITAL OUTPUT NEGATIVE 0.5A	OR	PWM OUTPUT	OR	–	OR	–
6	DIGITAL OUTPUT NEGATIVE 0.5A	OR	PWM OUTPUT	OR	–	OR	–
7	GND	OR	--	OR	–	OR	–
8	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	BRIDGE H1	OR	PWM OUTPUT
9	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	BRIDGE H2	OR	PWM OUTPUT
10	DIGITAL OUTPUT NEGATIVE 0.5A	OR	PWM OUTPUT	OR	–	OR	–
11	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	PWM OUTPUT	OR	–
12	DIGITAL OUTPUT NEGATIVE 0.5A	OR	DIGITAL OUTPUT POSITIVE 0.5A	OR	PWM OUTPUT	OR	–
PIN CN3							
1	ANALOG OUTPUT – 50MA	OR	–	OR	–	OR	–
2	GND	OR	--	OR	–	OR	–
3	ANALOG INPUT	OR	DIGITAL INPUT	OR	–	OR	–
4	ANALOG INPUT	OR	DIGITAL INPUT	OR	–	OR	–
5	ANALOG INPUT	OR	DIGITAL INPUT	OR	–	OR	–
6	ANALOG INPUT	OR	DIGITAL INPUT	OR	–	OR	–
7	ANALOG INPUT	OR	DIGITAL INPUT	OR	–	OR	–
8	GND	OR	--	OR	–	OR	–
9	ANALOG OUTPUT – 50MA	OR	--	OR	–	OR	–
10	ANALOG INPUT	OR	DIGITAL INPUT	OR	–	OR	–
11	ANALOG INPUT	OR	DIGITAL INPUT	OR	–	OR	–
12	ANALOG INPUT	OR	DIGITAL INPUT	OR	–	OR	–
13	ANALOG INPUT	OR	DIGITAL INPUT	OR	–	OR	–
14	ANALOG INPUT	OR	DIGITAL INPUT	OR	–	OR	–
15	ANALOG INPUT	OR	DIGITAL INPUT	OR	–	OR	–
16	GND	OR	--	OR	–	OR	–