

OEM HUB DATASHEET



Elveflow OEM Hub connects to the Control Center to multiply by 5 the number of modules it can control on 1 channel.

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General specifications

Dimensions (mm)	124 x 49 x 70 mm
Weight (g)	300 g
Control Center connection	M12 8 pins (shielded cable 25 cm recommended)
Power connection	DC power connector, Plug, 3A, 2.1mm, 12mm
Number of module connections	5
Module connections	M12 8 pins (shielded cable 25 cm recommended)
Casing material	Aluminium
Mounting orientation	Any

Electrical specifications

Input voltage (V)	24V
Maximum power consumption (W)	40W
Maximum current consumption (A)	1.67A Peak
Typical power (W)	2W
Maximum output power / channel (W)	12W
Typical power / channel (W)	1.7W

Provided power supply specifications

Supply - Voltage range (V)	100 to 240 VAC
Supply - AC frequency (Hz)	50 to 60 Hz
Output - Maximum current output (A)	1.67A Peak
Output - Maximum power (W)	40W

Communication specifications

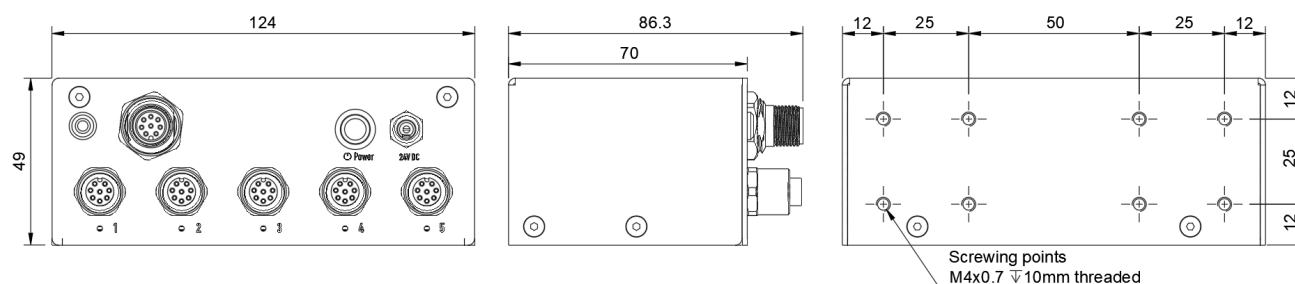
Interface	M12 8 pins
Communication type	Universal Asynchronous Receiver-Transmitter (UART)
Serial communication speed	230400 bauds

Control and monitoring

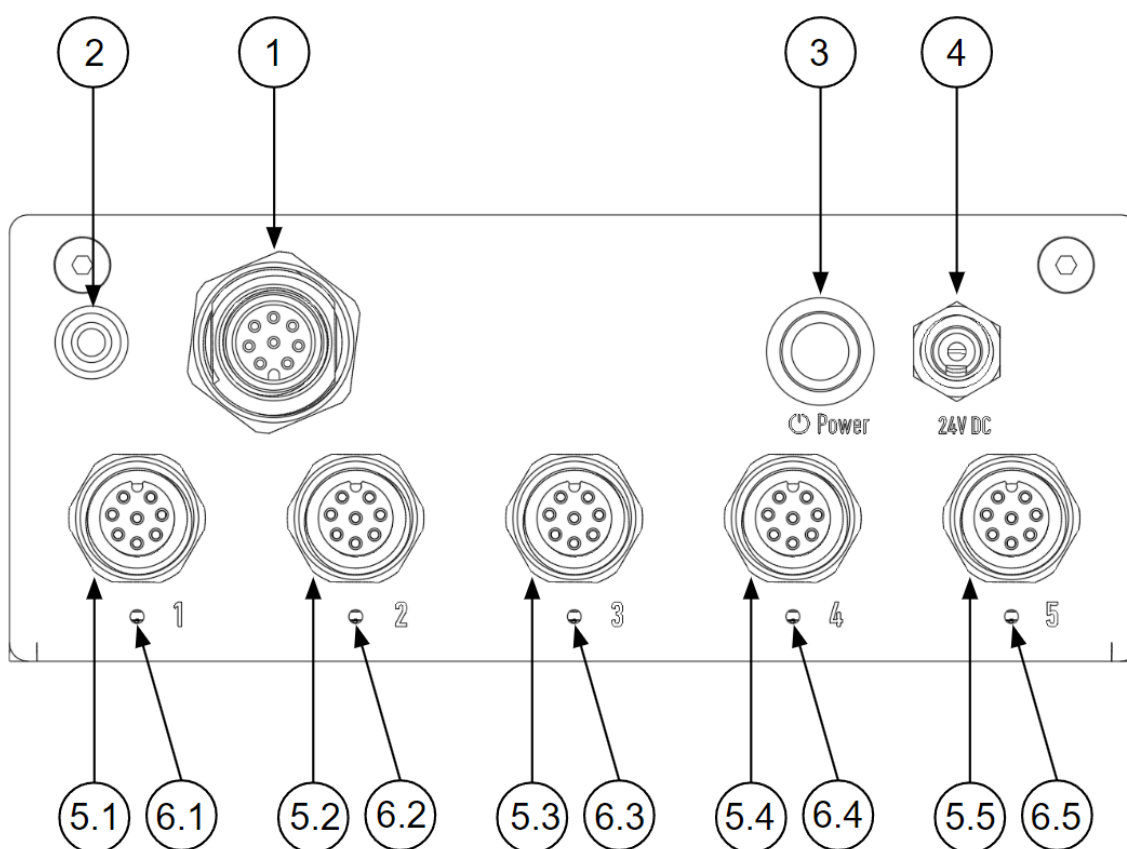
Software control	ESI via a OEM Control Center only
Number of channels available	5
Distributed PI regulation between a regulator module and a sensor on another module	Yes

Dimensional drawing

(Dimensions in mm)



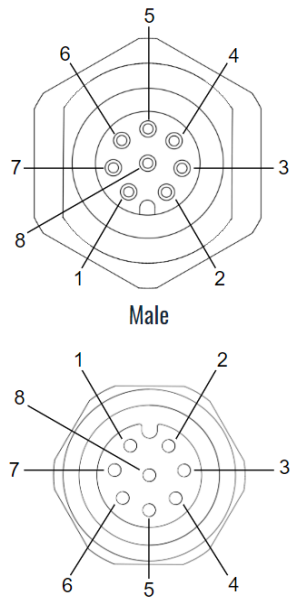
Connections



1	Control Center connection	M12 male - 8 pins
2	Communication LED	Green LED - ON when communicating
3	Power button with LED	Green LED - ON when device powered
4	Power supply	DC power connector, Plug, 3A, 2.1mm, 12mm
5.x	Module connection channel #x	M12 female - 8 pins
6.x	Module channel #x communication LED	Green LED - ON when communicating

M12 Pin out

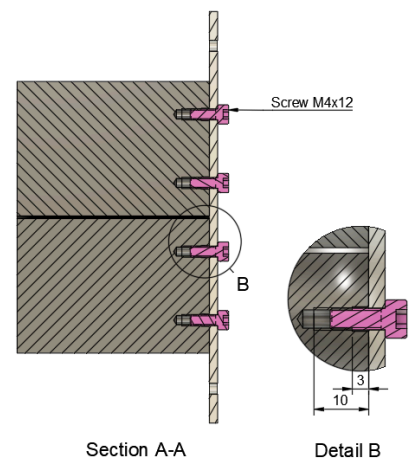
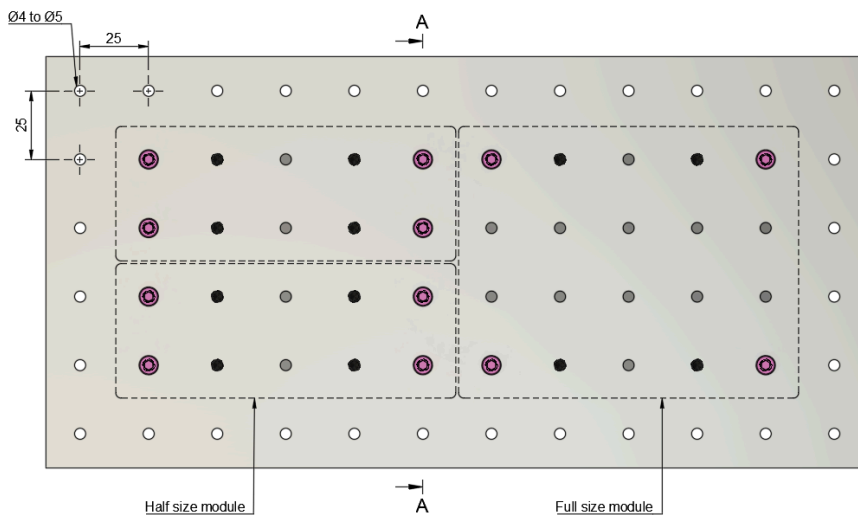
1	RX
2	TX
3	Ground
4	/
5	5V DC
6	/
7	Ground
8	24V DC



Assembly recommendations

The module can be used in any orientation.

Assembly on standard perforated sheet metal



Assembly with brackets

Brackets are Elveflow custom parts that can be purchased with an OEM system to assemble the modules together (see OEM Assembly kit).

