Product datasheet SC - Extender

Characterstics

SE-BR01

2 Channel Load cell
HX711 24-Bit ADC for Weigh Scales

Interface with controller
Serial Interface

On-chip active low noise PGA with selectable gain of 32, 64 and 128

Built-in power supply regulator for load-cell

Simultaneous 50 and 60Hz supply rejection

Selectable 10SPS or 80SPS output data rate

Main

Range of product	SC - Extender
Product type	Expansion Module
Rated supply voltage	12 - 24V DC
Field of Application	Weight readings
Applicable Devices	NORVI IIOT / NORVI Arita
Aquisition	Wheatstone bridge load cell
ADC Chip	HX711

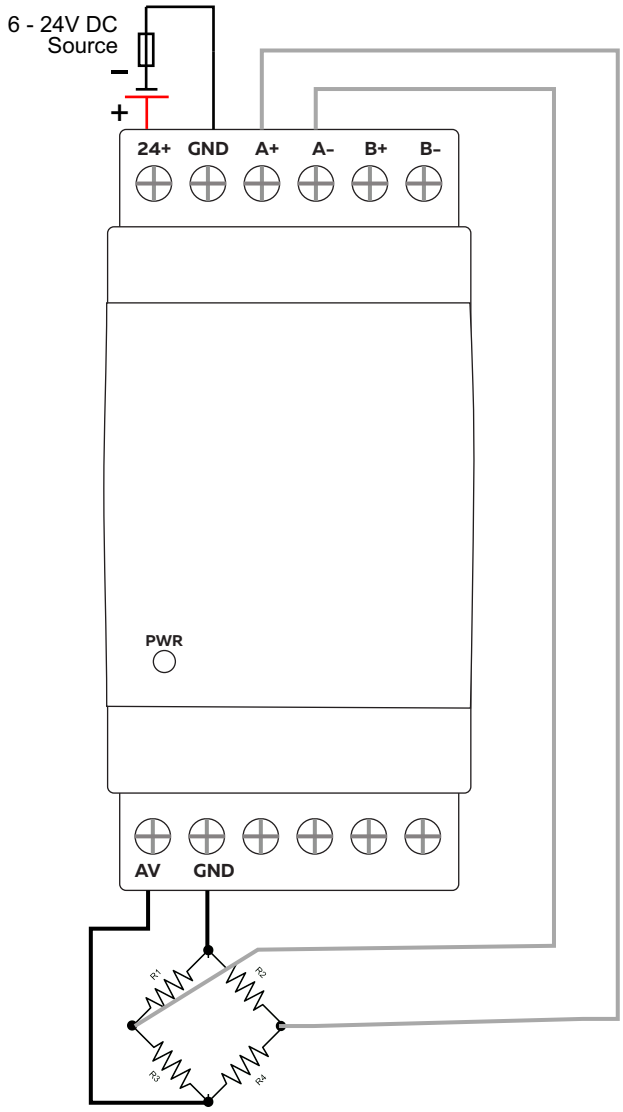
Complementary

Local signalling	1 LED green for PWR
Electrical connection	Removable screw terminal block for inputs and outputs (pitch 5.08 mm)
Mounting support	Top hat type TH35-15 rail conforming to IEC 60715 Top hat type TH35-7.5 rail conforming to IEC 60715
Height	86.00 mm
Depth	59.00 mm
Width	35.00 mm
Product weight	0.12 Kg

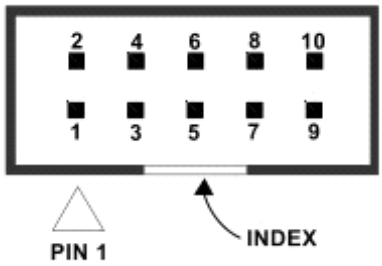
Environment

Relative humidity	10....95% without condensation in operation
IP degree of protection	IP20
Operating altitude	0...2000m
Storage altitude	0...3000m
Shock resistance	15 gn for 11 ms
Operating temperature	-40 to +85 'C

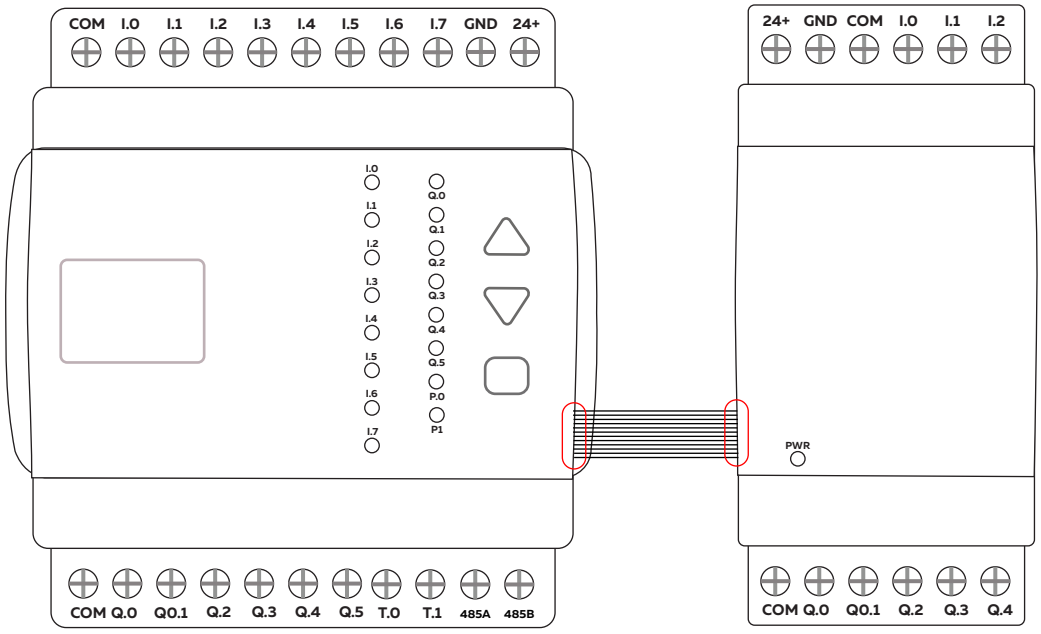
SC - Extender
SE-BR01



Expansion port pin map



PIN	ESP32 Connection
1	TXD0
2	IO33
3	RXD0
4	Not Connected
5	IO32
6	BOOT IO0
7	SCL IO17
8	Not Connected
9	SDA IO16
10	Ground



Main Controller **Expansion Module**

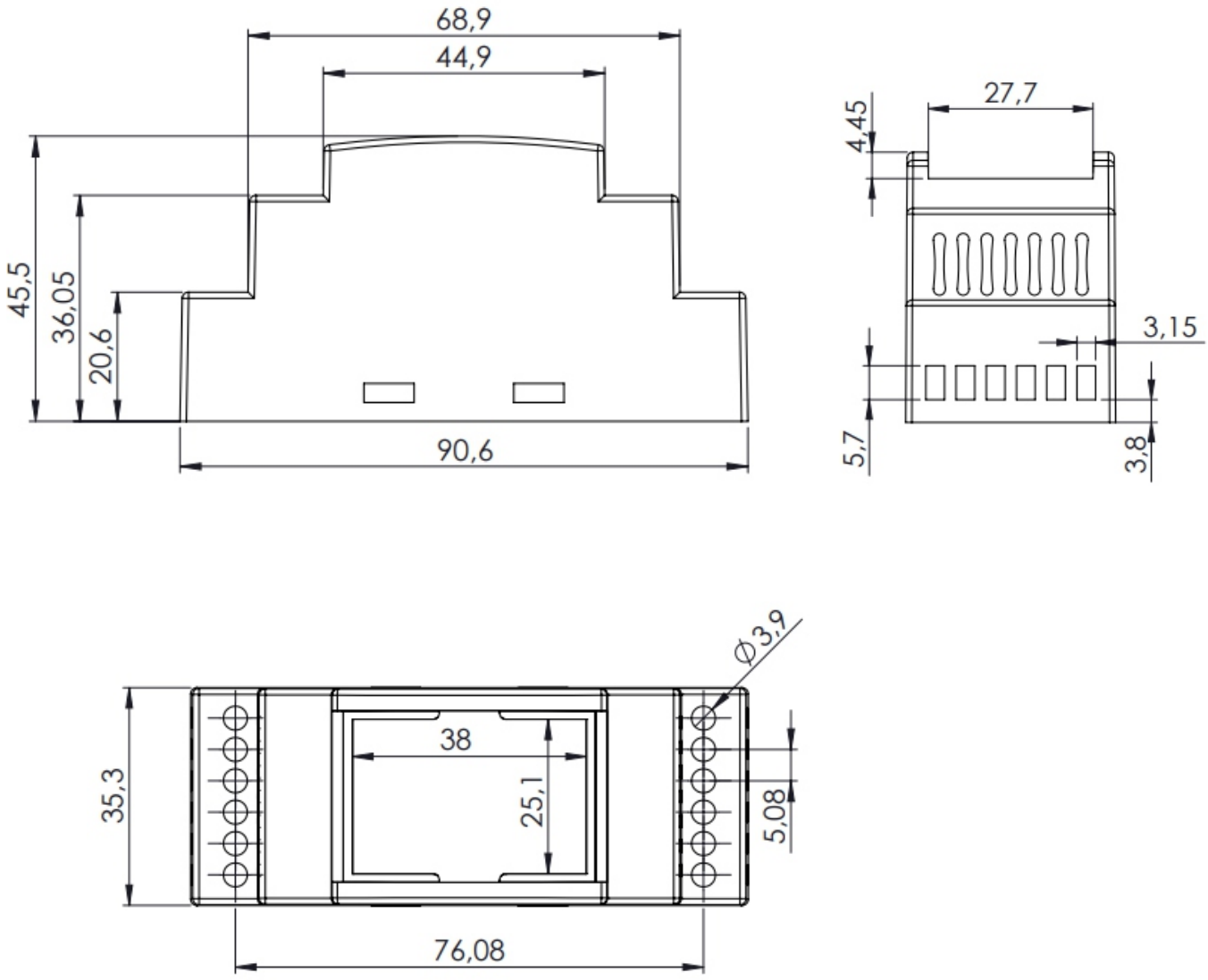
Main Controller		Analog module
IO32	→	PD_SCK
IO33	→	DOUT
GND	→	GND

Analog Module communication

Module Type	HX711
Communication	Serial Interface
Module Address	NA

Refer datasheets of **HX711 for detailed information**

Dimensions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36,05
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90,6
27,7
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5,7
3,8
Ø3,9
38
25,1
35,3
5,08
76,08

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