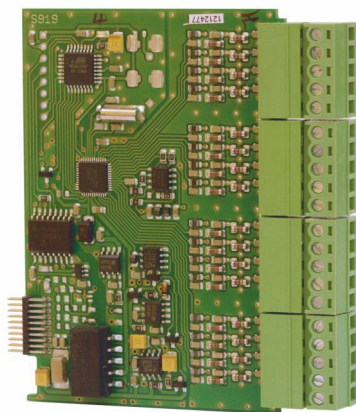


Input modules - voltage



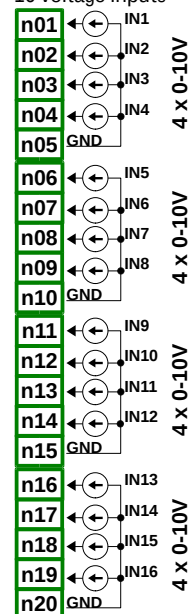
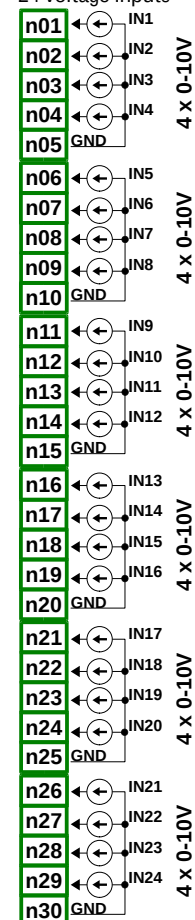
U16

- U16: 16 voltage inputs
- U24: 24 voltage inputs

On customer's request, the MultiCon device can be equipped with 16 or 24 voltage input modules.

To make sensor connection easier, inputs are grouped and all ground terminals are common but separated from power supply and other modules.

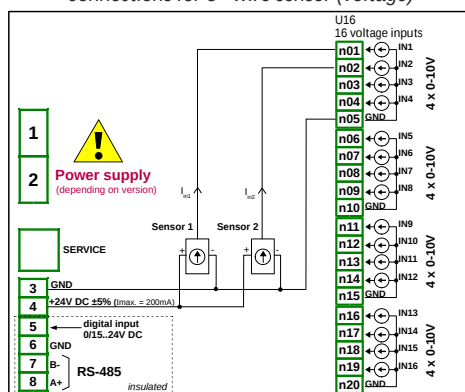
MODULE PIN ASSIGNMENT

U16
16 voltage inputsU24
24 voltage inputs

Voltage input parameters are:

- Name - read-only input name given by the device,
- Unit - read-only field which displays measurement unit „V”,
- Mode - defines measurement range (0 - 5V, 1 - 5V, 0 - 10V, 2 - 10V),
- Low limit - defines measurement level below which in logical channel „Lo” state will be displayed,
- High limit - defines measurement level above which in logical channel „Hi” state will be displayed.

Connections for 3 - wire sensor (voltage)



TECHNICAL DATA

	U16	U24
Number of inputs	16	24
Measurement range	0 ÷ 5V, 1 ÷ 5V, 0 ÷ 10V, 2 ÷ 10V	0 ÷ 5V, 1 ÷ 5V, 0 ÷ 10V, 2 ÷ 10V
Hardware limitation	0V ÷ 12V	0V ÷ 12V
Hardware resolution	1 mV	1 mV
Precision	0.1% @ 25°C	0.1% @ 25°C
Temperature stability	50 ppm/°C	50 ppm/°C
Internal impedance	50 kΩ	50 kΩ
Sampling period	10 ms (CMC reads modules every 100 ms)	10 ms (CMC reads modules every 100 ms)
Weight	42 g	62,5 g
Part number	M99-U16-001	M141-U24-001