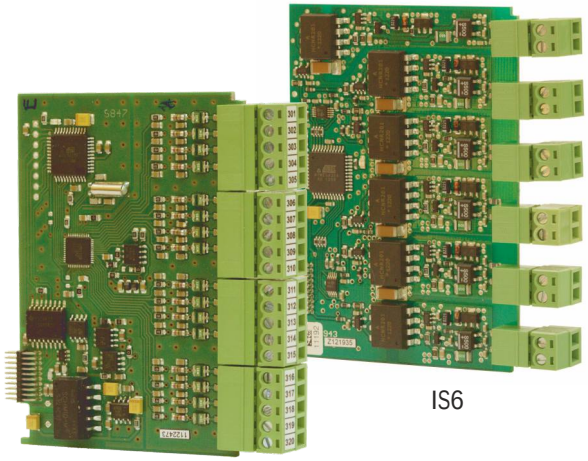
MultiCon

Input modules - current

- I16: 16 current inputs
- I24: 24 current inputs
- IS6: 6 isolated current inputs



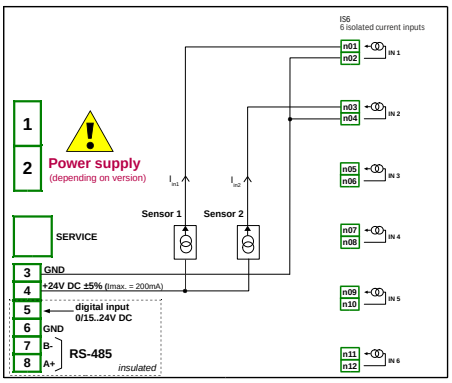
IS6

I16

MultiCon can be equipped with modules having 16 or 24 non isolated or 6 isolated current inputs. To make sensor connection easier, modules I16 and I24 have inputs groupped into fours. IS6 module has all inputs separated one from another and signal polarity on it's inputs has no matter.

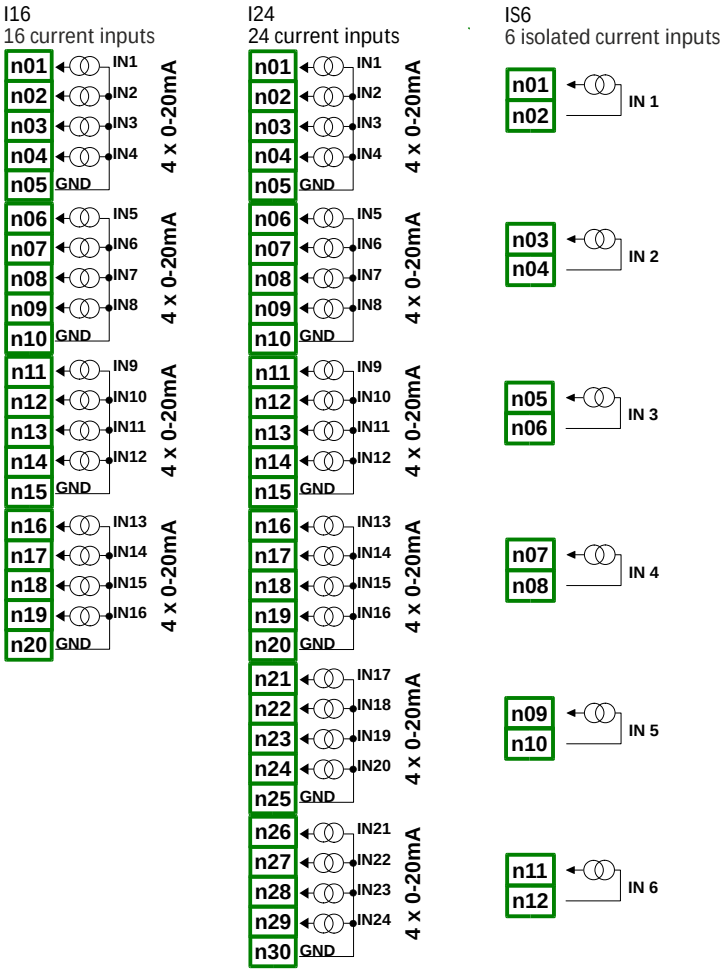
All GND terminals in the I16 and I24 modules are common but separated from power supply and other modules.

Current inputs parameters are:
- Name - read-only input name given by the device,
- Unit - read-only field which displays measurement unit „mA”,
- Mode - defines measurement range (0-20 or 4-20),
- Low limit - defines measurement low limit, below which the device returns „Lo” value,
- High limit - defines measurement high limit, above which the device returns „Hi” value.



Examplary connection for 2 - wire sensors and IS6 module

MODULE PIN ASSIGNMENT



TECHNICAL DATA

	I16	I24	IS6
Number of inputs	16	24	6 (isolated)
Measurement range Hardware limitation	0 ÷ 20 mA, 4 ÷ 20 mA 0 mA ÷ 24 mA	0 ÷ 20 mA, 4 ÷ 20 mA 0 mA ÷ 24 mA	4 ÷ 20 mA 3 mA ÷ 30 mA
Resolution	1 µA	1 µA	1 µA
Precision	0.1% @ 25°C	0.1% @ 25°C	0.25% @ 25°C
Temperature stability	50 ppm/°C	50 ppm/°C	65 ppm/°C
Internal impedance	type 100 Ω	type 100 Ω	type 1750 Ω @ 4 mA; type 400 Ω @ 20 mA
Protection	50 mA, auto-reset fuse	50 mA, auto-reset fuse	50 mA, auto-reset fuse
Sampling period	10 ms *	10 ms *	100 ms
Weight	42,5 g	63 g	39 g
Part number	M99-I16-001	M141-I24-001	M99-IS6-001

** CMC reads data from modules every 100 ms*