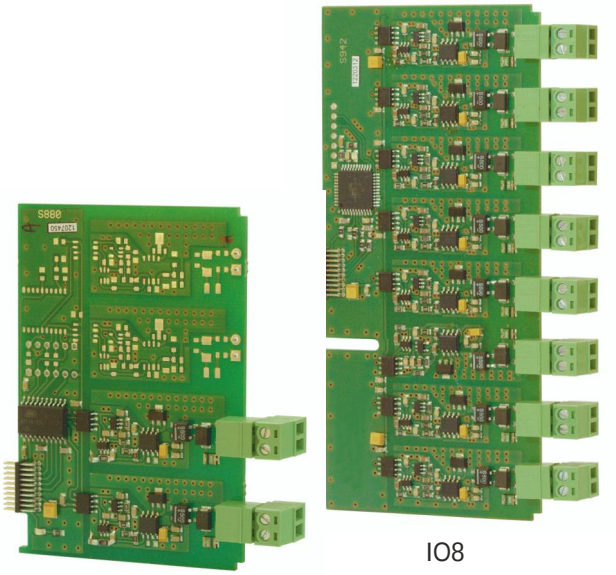
MultiCon

Output modules - current

- IO2: 2 current outputs, isolated, passive
- IO4: 4 current outputs, isolated, passive
- IO6: 6 current outputs, isolated, passive
- IO8: 8 current outputs, isolated, passive

Current output modules are used to control other devices based on current in industrial automation applications. These modules are equipped with 2, 4, 6, 8 individually isolated (one from another) passive current outputs.

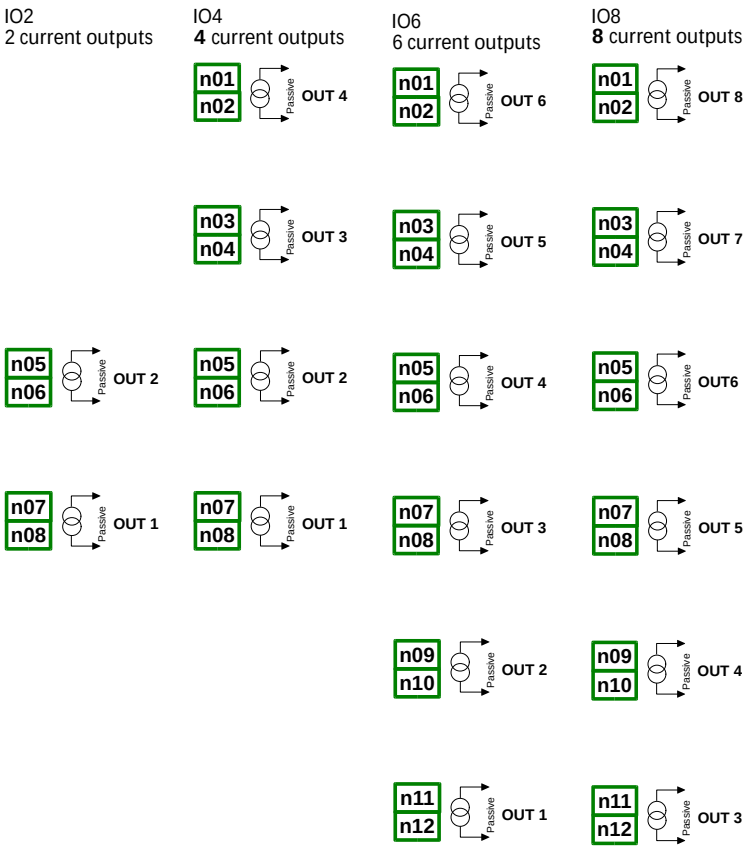


IO8

IO2

Current outputs parameters are:
- Name - read-only output name given by the device,
- Unit - current outputs have constant unit, „mA”,
- Source - contains a logical channels list, where selected one will be data source for current output,
- Lower and Upper level (Input levels parameter block) - limits input signal range which is downloaded from Source parameter, below this range the input signal will be equal to Lower level and above this range the input signal will be equal to Upper level,
- Lower and Upper level (Output levels parameter block) - defines output signal changes range, below this range the output signal will be equal to Lower level and above this range output will be equal to Upper level. The relationship between input and output levels is linear and limited by defined range,
- Alarm level - defines output value which appears when Source parameter returns alarm state, but it can not exceeds the hardware limit. Alarm state is when a logical channel which is data source returns Err, Lo or Hi state.

MODULE PIN ASSIGNMENT



TECHNICAL DATA

	IO2	IO4	IO6	IO8
Number of outputs	2 (passive)	4 (passive)	6 (passive)	8 (passive)
Nominal analogue range	4 ÷ 20 mA *	4 ÷ 20 mA *	4 ÷ 20 mA *	4 ÷ 20 mA *
Hardware output limitation	3 ÷ 25 mA	3 ÷ 25 mA	3 ÷ 25 mA	3 ÷ 25 mA
Output voltage dropout	max. 9V	max. 9V	max. 9V	max. 9V
Loop supply range	9 ÷ 30V	9 ÷ 30V	9 ÷ 30V	9 ÷ 30V
Overload protection	Internal resettable fuse 50 mA	Internal resettable fuse 50 mA	Internal resettable fuse 50 mA	Internal resettable fuse 50 mA
Output current precision	0.1% @25°C, 50 ppm/°C	0.1% @25°C, 50 ppm/°C	0.1% @25°C, 50 ppm/°C	0.1% @25°C, 50 ppm/°C
Resolution	12 bit	12 bit	12 bit	12 bit
Insulation strength	1 min @ 500V AC	1 min @ 500V AC	1 min @ 500V AC	1 min @ 500V AC
Weight	23 g	30 g	38 g	53 g
Part number	M99-IO2-001	M99-IO4-001	M141-IO6-001	M141-IO8-001

** CMC updates output value every 100 ms*