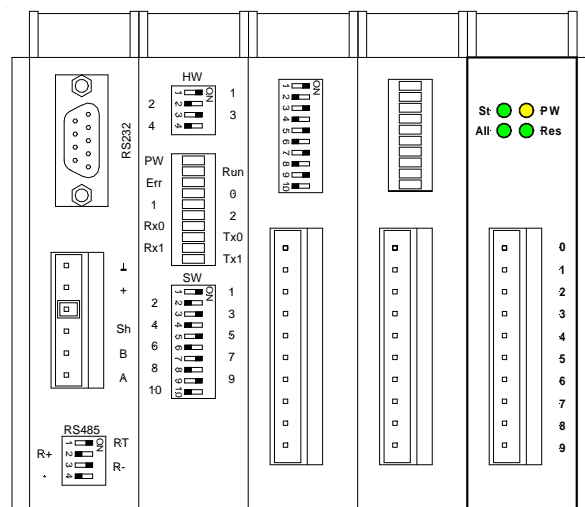


AD-GAI8

8 Galvanically Separated Analogue Inputs ± 10 V, ± 20 mA

- 8 galvanically separated analogue inputs with internal jumpers for individual configuration
- Input ranges ± 10 V, ± 20 mA
- 15 bits conversion + sign
- Overvoltage protection
- Conversion status indication
- Self-stacking connection to the AD-CPU167 unit, DIN rail mounting



TECHNICAL DATA

Number of inputs	8 with common analogue ground
Galvanic separation of inputs	Yes *)
A/D converter resolution	15 bits + sign
Signal integration time	20 ms
1 channel conversion time	120 ms
Input ranges / 1 bit resolution	Individually adjustable U/I
Voltage input range / 1 bit resolution	± 10 V / 0.305 mV
Current input range / 1 bit resolution	± 20 mA / 0.61 μ A
U/I input resistance	1 MOhm / 249 Ohm
Accuracy of amplification and conversion	4 LSB
Linearity	2 LSB
Max. number of modules	5
Module position in system	No limitation
Max. internal source consumption (5 V DC)	120 mA
Input signal connection	WAGO 231 cage clamp connectors, code protection against mistaking
Mounting	35 mm DIN rail
Operating temperature	0 to 70 °C
Max. ambient humidity	< 95 % non-condensing
Weight	200 g
Dimensions (w x h x d)	25 x 104 x 96 mm

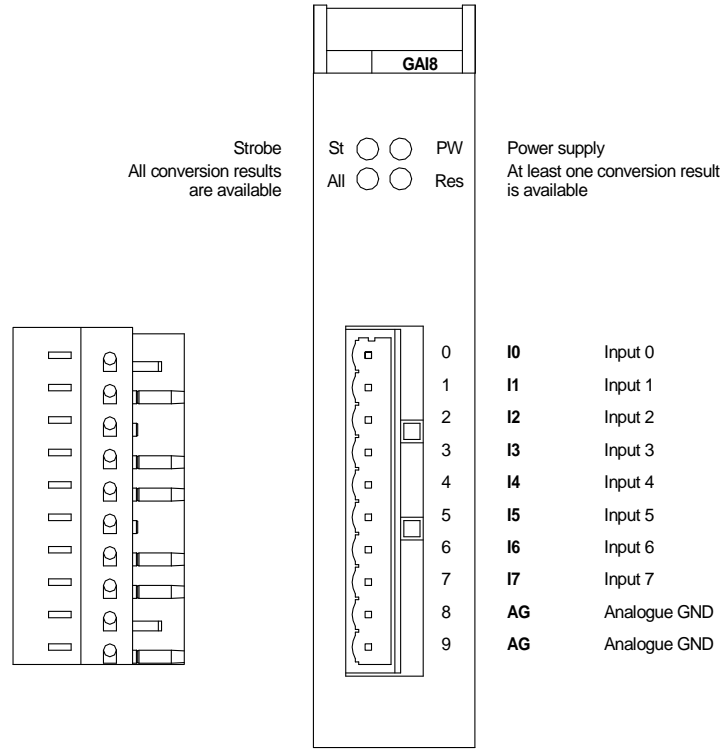
Note: Range 40 mA has to be set in DetStudio if current input range is used.

*) Insulation strength 500 V AC / 1 minute, galvanic separation may not be used for safe and unsafe parts separation.

ORDERING INFORMATION

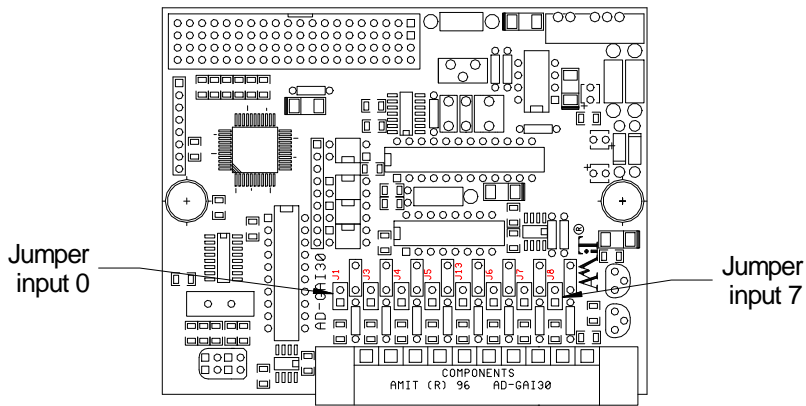
AG-GAI8	8 galvanically separated analogue inputs module (± 10 V, ± 20 mA), WAGO231-310 connector, data sheet, warranty card
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MODULE DESCRIPTION AND SIGNAL ASSIGNMENT



JUMPERS ASSIGNMENT

The input range is selected by the jumpers that could be accessed after ADiS system disassembling



JUMPERS SETTING



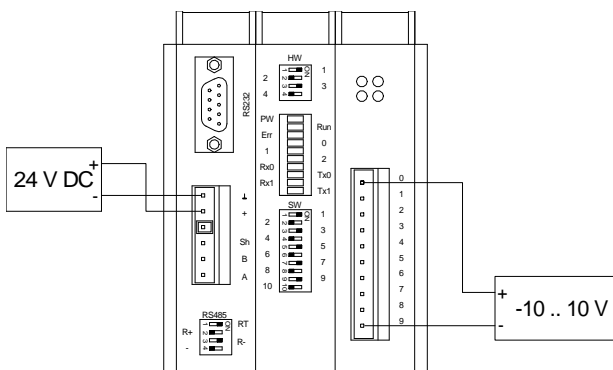
Range
-10 .. +10 V

Range
-20 .. +20 mA

Current range: jumper connected
Voltage range: jumper disconnected

WIRING EXAMPLES

Voltage input



Current input

