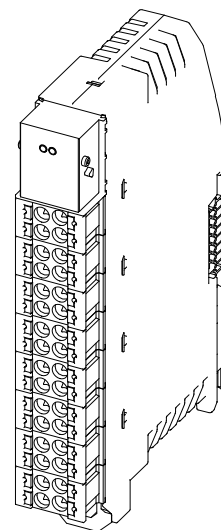


# AD4-AI08

8 analogue inputs

- 8× galvanically isolated analogue input
- LED module activity indication
- System bus for connection to AD4-CPS with TBUS connectors
- Maximum number of 64 modules in an assembly
- Mounted on a 35 mm DIN rail



## TECHNICAL DATA

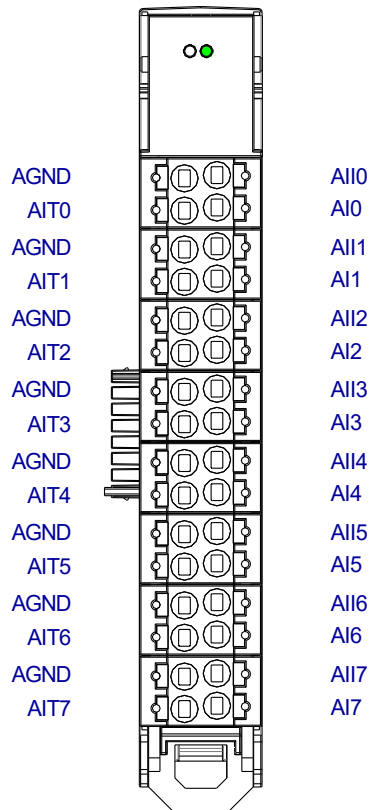
<b>Inputs</b>	8
Common conductor	AGND
Output ranges	(0 to 10) V DC / (0 to 20) mA DC / RTD / NTC
Range options	By plugging in the connector, no jumpers
Converter resolution	15 bits
Input overvoltage protection	Diodes
Galvanic isolation	Yes
GI strength	500 V AC / 1 minute *)
<b>Power supply</b>	
Maximum module power consumption	0.36 W
<b>Other</b>	
Connection to the system bus	TBUS connectors
Maximum number of modules in an assembly	64
Signals connection	Phoenix Contact, HSCP-SP series Push-in spring clamps
Ingress protection rate	IP20
Operating temperature range	-40 °C to 70 °C
Maximum ambient humidity	< 95 % non-condensing
Mounting	On a 35 mm DIN rail
Weight	0.1 kg
Dimensions	(124.3 × 18.7 × 76.5) mm

\*) Galvanic isolation must not be used for separation of safe and dangerous parts.

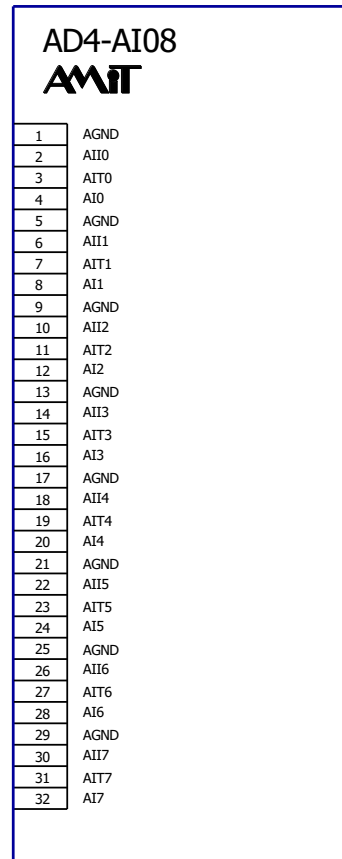
## ORDERING INFORMATION

<b>AD4-AI08</b>	Module 8 analogue inputs, connectors Phoenix Contact, HSCP-SP
<b>TBUS8-18,8-7P1S</b>	System bus connector (not included in the module delivery)

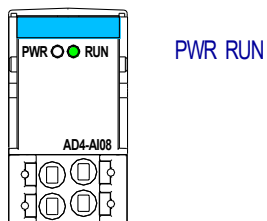
## CONNECTOR LAYOUT



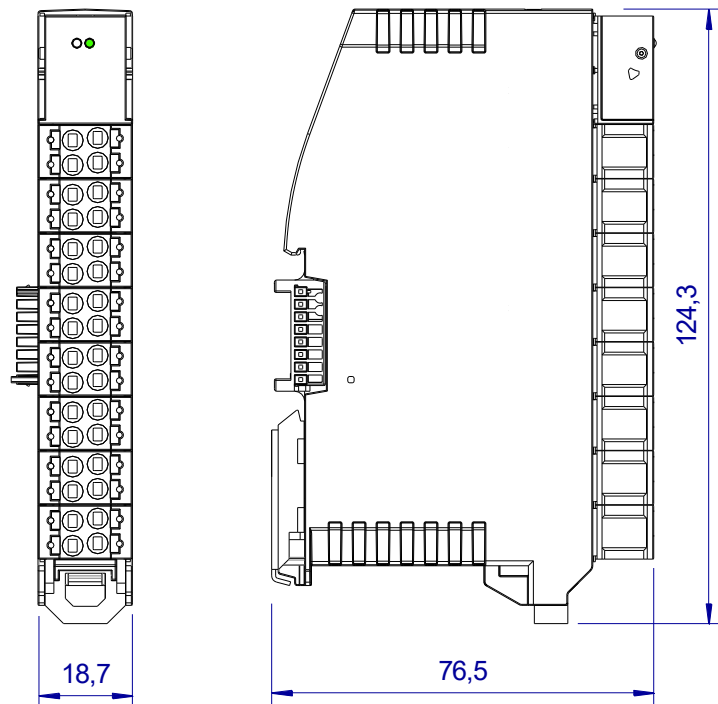
## RECOMMENDED DRAWING SYMBOL



## LED PLACEMENT



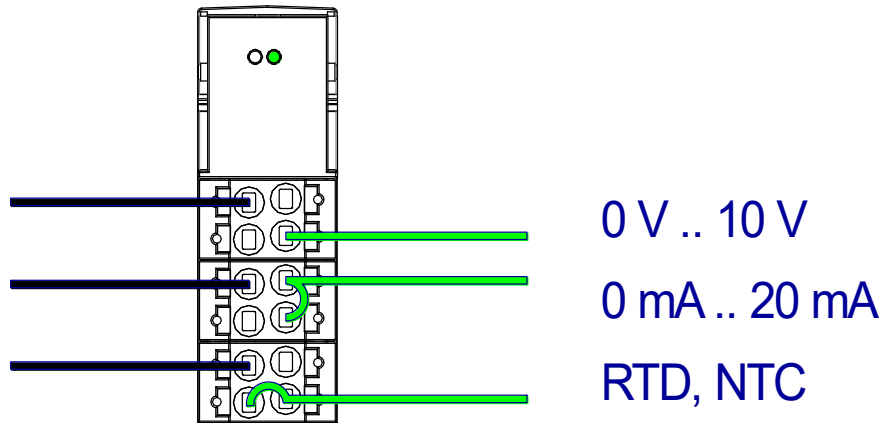
## MECHANICAL DIMENSIONS



# AD4-AI08

8 analogue inputs

## EXAMPLE OF INPUT RANGES CONFIGURATION



For the 0 V to 10 V range, the input signal is applied to the AGND and the AIx input.

For the 0 mA to 20 mA range, the input signal is applied to the AGND and the AIx and then connected to the AIx.

For the RTD and NTC range, the sensor is connected between the AGND and the AITx connected to the AIx.

Binding detailed information can be found in the operation manual ([adis4\\_g\\_en\\_xxx.pdf](#)). Documentation and examples are available at [amitautomation.com](http://amitautomation.com).