ComAp
The heart of smart control

Inteli AIN8

Order code: I-AIN8

Extension Peripheral Modules

Datasheet

Product description

- Peripheries dedicated to expand number of I/Os of the main ComAp controller
- Supports wide range of sensor types and characteristics
- Connection with the main ComAp controller over CAN bus (up to 200 m length)
- Extension modules are compatible with
  - InteliSysNT BaseBox, InteliSysNTC BaseBox, InteliSys GAS, InteliSysNTC Hybrid, InteliSysNT BaseBox Marine
  - InteliGenNT, InteliGenNT BaseBox, InteliGenNTC BaseBox Marine
  - InteliMainsNT, InteliMainsNT BaseBox, InteliMainsNTC BaseBox
  - InteliDrive DCU Marine, InteliDrive DCU
  - InteliGen4 200, InteliGen 200, InteliGen 500 G2, InteliGen 500, InteliGen 1000, InteliLite(3) AMF25, InteliLite(3) AMF20, InteliLite(3) MRS16, Inteli(3) MRS 11, all controllers from InteliLite 4 family, InteliNeo 6000, InteliNeo 5500, InteliMains 210, InteliMains 1010.

Key features

- Analog input: 8 channels
- Impulse/RPM input: 1 channel
- Supported sensors:
  - Pt100, Pt1000
  - Ni100, Ni1000
  - (0)4 - 20 mA
  - ± 20 mA
  - 0 - 250 Ω, 0 - 2400 Ω, 0 - 10 kΩ
  - ± 1 V DC, 0 - 10 V DC, 0 - 5 V DC
  - Lambda probe

Application overview

- Peripheral extension module for the controllers
  - CAN bus connectivity
  - Connects analog sensors (via Analog IN)
  - Connects impulse sensor (via Impulse IN)

Certificates and standards

This product is CE compliant › EN 60068-2-6 ed.2:2008 › EN 60068-2-27 ed.2:2010 › EN 60068-2-30, May 2000 › EN 60068-2-64 › EN 61010-1:2003	CE c UL us
Marine certifications: DNV, GL, LR, BV, RMR, CCS, RINA	
List of standards is available on: https://webstore.iec.ch/	

Technical data

Power supply

Power supply	8 to 36 V DC
Power consumption	35 mA a @ 24 V ÷ 100 mA at 8 V

Operating conditions

Operating temperature	- 30°C to + 70°C
Storage temperature	- 40°C to + 80°C
Operation humidityn	95% w/o condensation
Vibrations	5-25 Hz, ±1.6 mm, 25-100 Hz, a = 4 g
Shocks	a = 200 m/s^2
Heat radiation	3 W

Analog inputs (not galvanic separated)

Voltage	range: 0-10V accuracy: ± 0,25 % of actual value ± 25 mV
Current	range: ± 20mA accuracy: ± 0,25 % of actual value ± 50 µA
Resistance	range: 0- 10 kΩ accuracy: resistance: ± 0,5 % of actual value + ± 2 Ω_Pt100, Pt1000, Ni100, Ni1000 ± 2,5°C

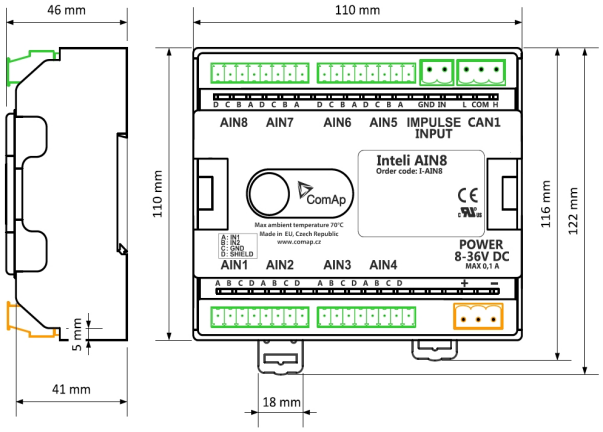
Impulse / RPM input

RPM	level of signal: 2(6) Vpk-pk ÷ 70 Vpk-pk frequency range 4 Hz ÷ 10 kHz
Impulse	Measurement of pulses by norm DIN 43864 and norm IEC 62053-31– equipment class A. for flow meter pulses: $V_H$max = 30 V, I_{max}=30 mA, T_{on}min =10 ms,T_{off}min = 10 ms, OC

General information

Protection	IP20
Impulse	CAN bus is galvanic separated from the measurement and power supply. All analog inputs are galvanic separated from power supply and CAN bus. Analog inputs are not galvanic separated between channels.

Dimensions, terminals and mounting



Note: *Unit is mounted on 35 mm DIN rail.*

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