

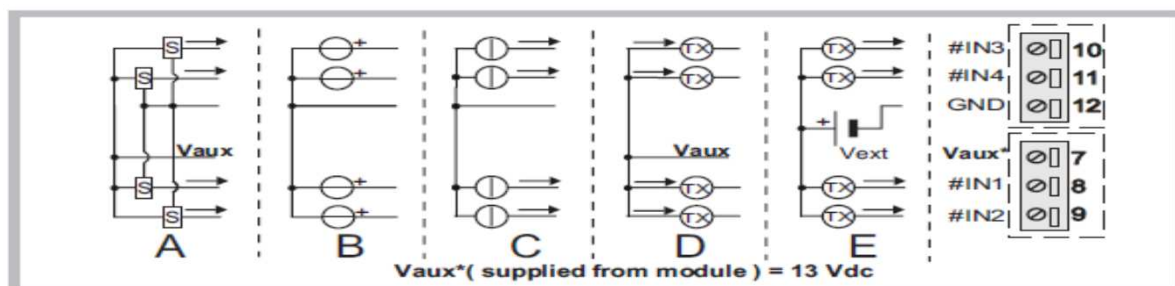
## CZ-4AI 4-ANALOG INPUT MODULE

CZ4AI acquires 4 voltage inputs up to  $\pm 10$  Vdc and current  $\pm 20$  mA. The module offers the possibility of wiring facilitated power and serial bus housed in the DIN rail as an alternative to the terminals; RS485 serial communication with ModBUS - RTU, up to 32 knots; the insertion and removal from bus without interruption of communication or power bus.



## ELECTRICAL CONNECTIONS

- A Voltage input with sensor's power supply from module (13Vdc)
- B Voltage input with sensor's power supply NOT from module
- C Current input with sensor's power supply NOT from module
- D Current input with sensor's power supply from module (13Vdc)
- E Current input with external power supply for sensor



## TECHNICAL SPECIFICATIONS

Power supply:	10...40 Vdc / 19...28 Vac / 50-60 Hz;
Power consumption:	2.5 W; 1.0 W @ 24 Vdc without supply sensors
Isolation:	1500 Vac (3way)
Status indicators:	power supply, error, transmission/reception data, input status
Protection degree:	IP20
Operating temperature:	-10...+65°C
Humidity:	30...90% @ +40°C (condensation free)
Dimensions WxHxD:	17,5 x 100 x 112 mm
Weight:	about 140 g
Enclosure:	nylon 6, 30% glass fiber - flammability class V0
Hot Swapping:	Yes
Mounting:	35 mm DIN rail guide
Interface:	2 wire RS485
Speed:	up to 115200 bps
Protocol:	ModBUS RTU slave
Connectivity:	max 32 nodes
Communication time:	<10 ms (@38400 baud)
Distance:	up to 1200 m
Data memory:	EEPROM for the configuration parameters, retention time 10 years
Channel Number:	4
Input:	VOLTAGE bipolar with programmable FS at $\pm 2$ Vdc, or $\pm 10$ Vdc, impedance >100 Kohm CURRENT bipolar with programmable FS at $\pm 20$ mA
Accuracy:	0.1 % d.m.(voltage), 0.2% d.m.(current)
Programming:	DIP switches: baud rate, address, input type
CE Norms:	EN50081-2, EN55011, EN50082-2, EN61000-2-2/4, EN50140/141, EN61010-1



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