

BlueLinQ AI-6 module (CA 831)

BlueLinQ AI-6 is an input expansion module for the BlueLinQ Pro concept and does not work stand alone.

BlueLinQ AI-6 allows for connection of up to 6 analog inputs, with each analog input having a resolution of 0.01 mA.

The unit is connected to the system via a field bus. The field bus connection is achieved by means of a back-plane DIN rail solution, which is also used to power the individual modules.



Technical specifications

Description			
Ambient operating temperature		-20 to +50 °C (-4 to +122 °F)	
Ambient storage temperature		-30 to +80 °C (-22 to +176 °F)	
Mounting		DIN rail 35 mm (1.378 inch)	
Degree of protection		IP20	
Housing material		Polyamide, UL 94 V-0	
Dimension W x H x D		17.6 x 99 x 113.65 mm (3.90 x 0.69 x 4.74 inch)	
Humidity		0-95 % RH non-condensing	
Power and Field Bus connection		Back-Plane DIN Rail connection	
Power supply		10-30 VDC, Device is supplied by Class 2, SELV, Limited Energy Source.	
Power consumption		<5 W	
Installation category		CAT I	
Pollution degree		2	
Number of channels		6	
Input range		4 – 20 mA	
Sensor supply voltage		Vout = V+, limited by 200 mA self-resetting fuse	
Resolution of measurement		0.01 mA	
Input resistance		136 Ω protected by 50 mA self-resetting fuse	
Power/Bus connectivity indicator		Dual color LED: Steady red = Offline. Flashing red = Comms error. Steady green = Connected. Flashing Green = Waiting to connect.	
Channel indicator	LED state	Off	On
	Channel state	Ain < 4 mA or Ain > 20 mA	$4 \text{ mA} \le \text{Ain} \le 20 \text{ mA}$
Max. altitude		2000 m (6560 ft)	
Compliance		CE 🕲 🕅	Roms

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