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 mA ≤ Ain ≤ 20 mA
Max. altitude	2000 m (6560 ft)	
Compliance	CE CSA REACH RoHS Compliant	