

BlueLinQ TI-6 module (CA 832)

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






BlueLinQ TI-6 allows for connection of up to 6 temperature analog inputs for use with Pt100 and PTC sensors.

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	< 2 W	
Installation category	CAT I	
Pollution degree	2	
Number of Channels	6	
Sensor Type	3 wire or 2 wire	
Measurement Range	PTC	Min. Trig: 3 kΩ
	Pt100	-20 to +220 °C (-4 to +428 °F)
Resolution	0.1°	
Isolation	Galvanically isolated from field bus (1500 V)	
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
	Channel State	On
Channel State	PTC	PTC Open (> 3 kΩ)
	Pt100	PTC Closed (< 3 kΩ with small hysteresis)
Max. Altitude	Temp < -20 °C or Temp > 200 °C	
Compliance	-20 °C ≤ Temp ≤ 200 °C	
Compliance	    	

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