

BlueLinQ DI-12 module (CA 811)

BlueLinQ DI-12 is an input expansion module for the BlueLinQ Pro concept and does not work stand alone.






BlueLinQ DI-12 allows for connection of up to 12 digital inputs. The digital inputs are divided into 6 groups of 2 galvanically isolated inputs

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	22.6 x 99 x 113.65 mm (3.90 x 0.89 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.			
Installation category	CAT 1			
Pollution degree	2			
Power consumption	<1 W			
Number of channels	12 (6 Galvanically isolated groups of 2 channels)			
Trigger voltage	Min. logic LOW level	Logic 0: 0 -1.5 V max.		
	Max. logic HIGH level	Logic 1: 6 – 30 V max.		
Input resistance	8.2 kΩ			
Max. pulse rate	1 kHz (pulse channels) [Square wave with 50% duty cycle]			
Channel indicator	LED state	Off	On	Flashing at frequency of incoming pulse
	Channel state	Low	High	Configured as pulse channel
Power / Bus connectivity indicator	Dual color LED: Steady red = Offline. Flashing red = Comms error. Steady green = Connected. Flashing Green = Waiting to connect.			
Max. Altitude	2000 m (6560 ft)			
Compliance	    			

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