



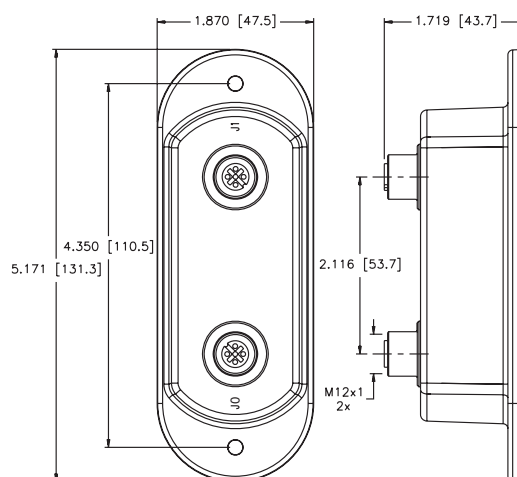
Conduit Adapter I/O Module

This conduit cover I/O station provides discrete input and output channels on **DeviceNet™**. The conduit adapter attaches to a standard conduit body with the **DeviceNet** network connections on the back side of the station (inside the conduit body) and the I/O connections on the top side of the station.

The BCS-DN-CSG22 supports explicit messaging, poll, COS and cyclic I/O messages. These connections are established through UCMM or pre-defined master/slave connection.

** Gasket and mounting hardware included (Form 8: 10-24 screws; Mark 9: 8-32 screws).

Dimensions



BCS-DN-CSG22

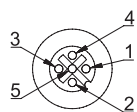
Electrical

- Operating voltage: 11-26 VDC from DeviceNet
- Operating Current: ≤ 50 mA from DeviceNet
- Output Current: 0.5 A

Mechanical

- Operating Temperature: $-25^{\circ}\text{...}+70^{\circ}\text{C}$
- Protection: IP 67

Female eurofast®



- 1 = V+
- 2 = Output
- 3 = V-
- 4 = Input
- 5 = N/C

Open Connector



- 5 = V+
- 4 = CAN_H
- 3 = SH
- 2 = CAN_L
- 1 = V-

Conduit Bodies

CROUSE - HINDS Hub Size = 3/4		
Shape	Style	Part Number
	Form 8	C28
	Mark 9	C29
	Form 8	LB28
	Mark 9	LB29
	Form 8	LL28
	Mark 9	LL29
	Form 8	LR28
	Mark 9	LR29

Module Specifications

Supply Voltage

Bus Power	11-26 VDC
Internal Current Consumption	≤50 mA plus sum of sensor and output currents (from bus power)

Input Circuits

(2) PNP 3-wire sensors or dry contacts

Input Voltage (V+)	11-26 VDC (from bus power)
Input Short-Circuit (V+)	700 mA (total, short-circuit protected)
Input Signal Current (Input)	OFF 0-4 V, 0.05 mA ON 0.5 x V _{bus} , 1.1 mA-2.2 mA (at V _{bus} = 24 VDC)
Input Delay	2.5 ms

Output Circuits

(2) DC actuators

Output Voltage	18-26 VDC (from bus power)
Output Load Current	0.5 A each (from bus power)
Maximum Switching Frequency	100 Hz

Housing

Open Frame

Enclosure	IP 67
Operating Temperature	-25° to 70°C (-13° to 158°F)

I/O Data Mapping

Product Code: F1006

Input Data	Byte	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
	0	IGS	-	-	-	OS-1	OS-0	I-1	I-0
Output Data	Byte	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
	0	-	-	-	-	-	-	O-1	O-0

Abbreviations

I = Input Data (0= OFF, 1= ON)

O = Output Data (0=OFF, 1=ON)

OS = Output Status (0=Working, 1=Fault)

IGS = Input Group Status (0=Working, 1=Fault)