

**Standard Input/Output Stations**

- Rugged, Fully Potted Stations
- IP 67, IP 68, IP 69K Protection
- DeviceNet Powered I/O
- Compact Housing



- FDNQ-S0201G-T\*
- FDNQ-CSG44-T
- FDNQ-S0404G-T
- FDNQ-XSG08-T
- FDNQ-CSG44-E

\* Not CSA Approved



**Electrical**

- Operating Current: <75 mA plus total of all I/O current (from DeviceNet)
- Sensor Current: <700 mA total of all inputs (from DeviceNet)

**Power Distribution**

- Inputs: DeviceNet power supply
- Outputs: DeviceNet power supply

**Mechanical**

- Operating Temperature: -40 to +70 °C (-40 to +158 °F)
- Protection: NEMA 1,3,4,12,13 / IEC IP 67, IP 68, IP 69K
- Vibration: 50 g @ 10-500 Hz

**Material**

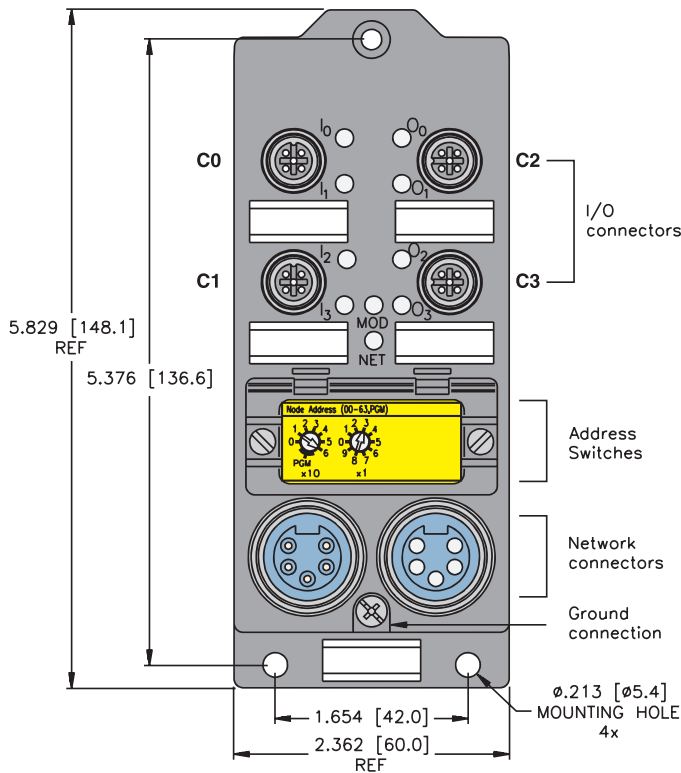
- Connectors: Nickel-plated brass (stainless steel available on request)
- Housing: Nylon 6 (other materials available on request)

**Diagnostics (Logical)**

- Open/short-circuit status mapped to DeviceNet I/O table, one bit indicates fault for entire station (...S0201G-T has one dedicated bit to indicate a fault for the output point as well)

**Diagnostics (Physical)**

- One LED indicates fault for entire station
- LEDs to indicate status of DeviceNet communication



**DeviceNet minifast Pinout**

Male	Female
5-Pin	5-Pin

- 1 = Shield
- 2 = V+
- 3 = V-
- 4 = CAN\_H
- 5 = CAN\_L

**DeviceNet Pinout**

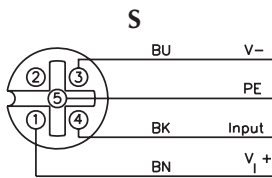
eurofast Male
5-Pin

- 1 = Shield
- 2 = V+
- 3 = V-
- 4 = CAN\_H
- 5 = CAN\_L

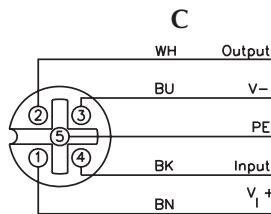
**FDNQ...-E**

Part Number	Inputs								Outputs					Data		
	Input Count	Connectors	Pinout	Inputs per Connector	Sensor Style	Group Diagnostics	Individual Diagnostics	Wire-Break Detection	Output Count	Connectors	Pinout	Outputs per Connector	Current	Individual Diagnostics	Wire-Break Detection	I/O Map
FDNQ-S0201G-T	2	0	2S	2	PNP	X			1	1	G	1	0.5 A	X		1
FDNQ-CSG44-T	4	0-3	C	1	PNP	X			4	0-3	C	1	0.5 A			2
FDNQ-S0404G-T	4	0-1	2S	2	PNP	X			4	2-3	2G	2	0.5 A			2
FDNQ-XSG08-T	8	0-3	2X	2	PNP	X			8	0-3	2X	2	0.5 A			3
FDNQ-CSG44-E	4	0-3	C	1	PNP	X			4	0-3	C	1	0.5 A			2

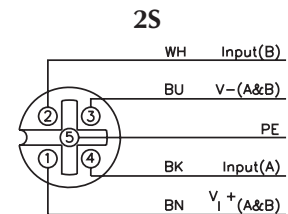
Input/Output Connectors



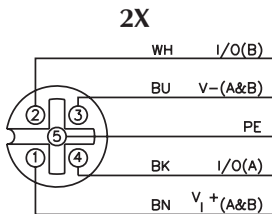
Mating cordset:  
RK 4.4T-\*-RS 4.4T



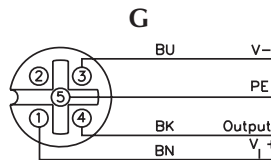
Mating cordset:  
RK 4.4T-\*-RS 4.4T  
Splitter:  
VB2-RS 4.4T-1/2RK 4.4T-\*/S651



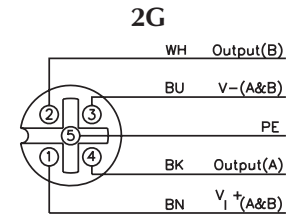
Mating cordset:  
RK 4.4T-\*-RS 4.4T  
Splitter:  
VBRS 4.4-2RK 4T-\*/



Mating cordset:  
RK 4.4T-\*-RS 4.4T  
Splitter:  
VBRS 4.4-2RK 4T-\*/



Mating cordset:  
RK 4.4T-\*-RS 4.4T



Mating cordset:  
RK 4.4T-\*-RS 4.4T  
Splitter:  
VBRS 4.4-2RK 4T-\*/

I/O Data Map 1

In	Byte	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
0	IGS	-	-	-	-	OS-0	I-1	I-0	
Out	0	-	-	-	-	-	-	-	0-0

I/O Data Map 3

In	Byte	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
0	I-7	I-6	I-5	I-4	I-3	I-2	I-1	I-0	
1	IGS	OGS	-	-	-	-	-	-	
Out	0	0-7	0-6	0-5	0-4	0-3	0-2	0-1	0-0

I/O Data Map 2

In	Byte	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
0	IGS	OGS	-	-	I-3	I-2	I-1	I-0	
Out	0	-	-	-	-	0-3	0-2	0-1	0-0