Standard Input Stations

FDNL-S0800-T
FDNL-S1600-T
FDNL-S1600-T-V
FDNL-N0800-T
FDNL-N1600-T
FDNL-S1600-E

- **Rugged, Fully Potted Stations**
- **IP 67, IP 68, IP 69K Protection**
- **Rotary Address Switches**
- **Automatic Baud Rate Sensing**

Electrical
- Operating Current: <50 mA plus input currents (from DeviceNet)
- Sensor Current: <700 mA sum of all inputs (from DeviceNet)

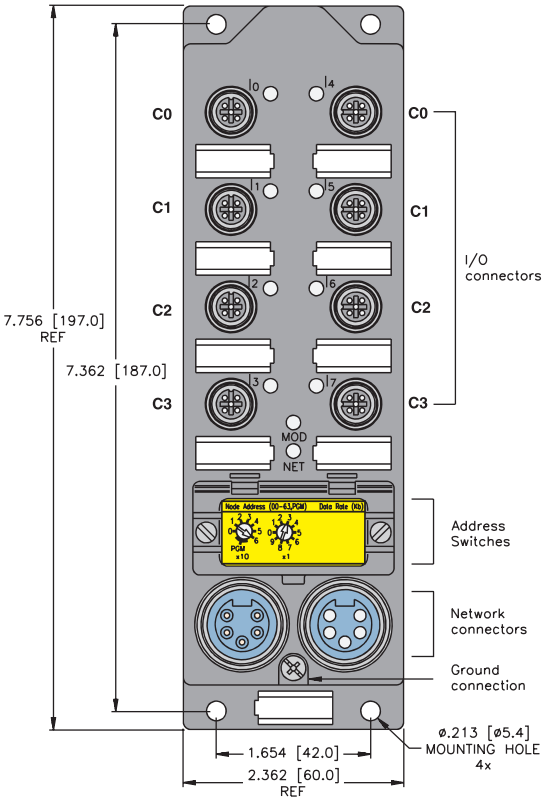
Power Distribution
- Inputs: DeviceNet power supply

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)

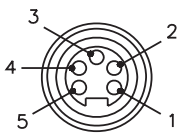
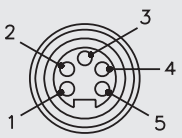
Diagnostics (Logical)
- Open/short-circuit status mapped to DeviceNet I/O table, one bit indicates a fault for all inputs

Diagnostics (Physical)
- One LED indicates a fault for the whole station
- LEDs to indicate status of DeviceNet communication



DeviceNet *minifast* Pinout

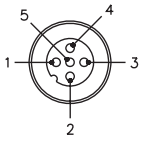
1 = Shield
2 = V+
3 = V-
4 = CAN_H
5 = CAN_L

Male	Female
	
5-Pin	5-Pin

FDNL...T

DeviceNet *eurofast*® Pinouts

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

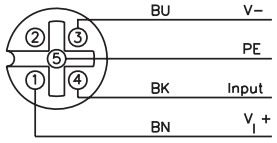
Male

5-Pin

FDNL...E

Part Number	Inputs								Data
	Input Count	Connectors	Pinout	Inputs per Connector	Sensor Style	Group Diagnostics	Individual Diagnostics	Wire-Break Detection	I/O Map
FDNL-S0800-T	8	0-7	S	1	PNP	X			1
FDNL-S1600-T	16	0-7	2S	2	PNP	X			2
FDNL-S1600-T-V	16	0-7	2S	2	PNP	X			2
FDNL-N0800-T	8	0-7	N	1	NPN	X			1
FDNL-N1600-T	16	0-7	2N	2	NPN	X			2
FDNL-S1600-E	16	0-7	2S	2	PNP	X			2

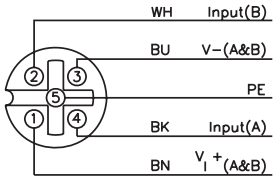
Input Connectors

S



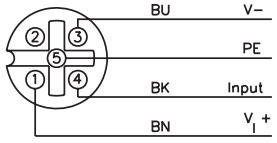
Mating cordset:
RK 4.4T-*-RS 4.4T

2S



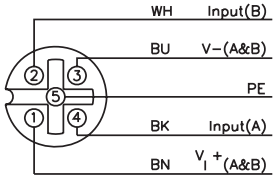
Mating cordset:
RK 4.4T-*-RS 4.4T
Splitter:
VBRS 4.4-2RK 4T-*/*

N



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

2N



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

I/O Data Map 1

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

I/O Data Map 2

	Byte	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
In	0	I-7	I-6	I-5	I-4	I-3	I-2	I-1	I-0
	1	I-15	I-14	I-13	I-12	I-11	I-10	I-9	I-8
	2	IGS	-	-	-	-	-	-	-