

Deluxe Input/Output Stations



- FDNP-L0404G-TT**
- FDNP-L0808G-TT**
- FDNP-L0808H-TT***
- FDNP-P0808H-TT***

* Not FM



- **Rugged, Fully Potted Stations**
- **IP 67, IP 68, IP 69K Protection**
- **Auxiliary Powered Outputs**
- **Automatic Baud Rate Sensing**

Electrical

- Operating Current: <100 mA (all except ...L0404G... is <140 mA) plus sensor currents (from DeviceNet power)
- Sensor Current: <80 mA per input (from DeviceNet)
- Output Current: See table on facing page

Power Distribution

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

Mechanical

- Operating Temperature: -25 to +70°C (-13 to +158°F)
- Protection: NEMA 1,3,4,12,13 / IEC IP 67, IP 68, IP 69K
- Vibration: 50 g @ 10-500 Hz

Material

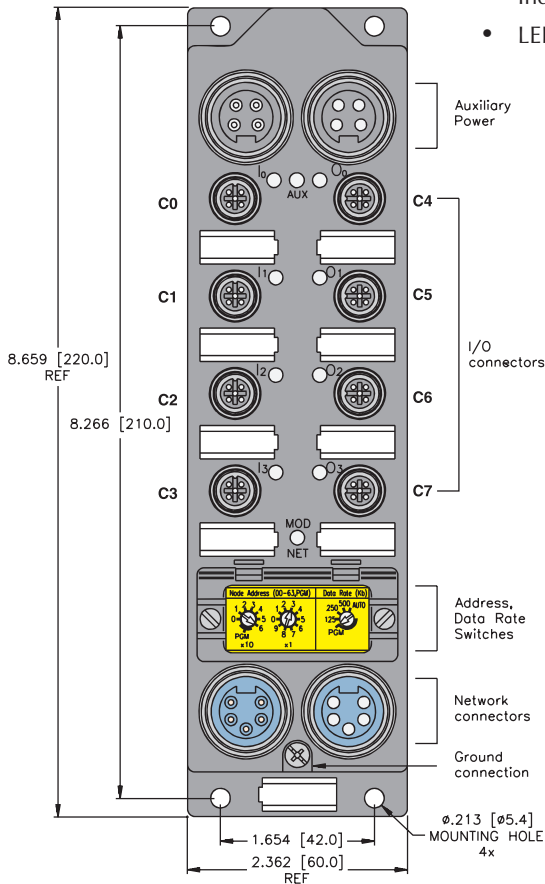
- Connectors: Nickel-plated brass (stainless steel available on request)
- Housing: Nylon 6 (other materials available on request)

Diagnostics (Logical)

- Open/short-circuit status mapped to DeviceNet I/O table, one bit each per I/O point

Diagnostics (Physical)

- Individual LED to indicate open/short-circuit for each channel
- LEDs to indicate status of DeviceNet communication



Aux. Power Pinout

Male	Female
4-Pin	4-Pin

- 1 = V_{aux+}
- 2 = Pass thru
- 3 = Pass thru
- 4 = V_{aux-}

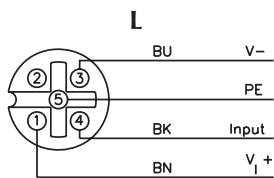
DeviceNet minifast Pinout

Male	Female
5-Pin	5-Pin

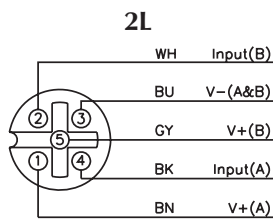
- 1 = Shield
- 2 = $V+$
- 3 = $V-$
- 4 = CAN_H
- 5 = CAN_L

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
FDNP-L0404G-TT	4	0-3	L	1	PNP/NPN		X	X	4	4-7	G	1	0.5 A	X	X	1
FDNP-L0808G-TT	8	0-3	2L	2	PNP/NPN		X	X	8	4-7	2G	2	0.5 A	X	X	2
FDNP-L0808H-TT	8	0-3	2L	2	PNP/NPN		X	X	8	4-7	2H	2	2 A	X	X	2
FDNP-P0808H-TT	8	0-3	2P	2	PNP		X	X	8	4-7	2H	2	2 A	X	X	2

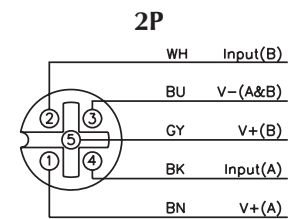
Input/Output Connectors



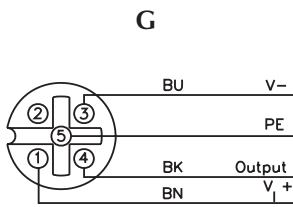
Mating cordset:
RK 4.4T-*-RS 4.4T



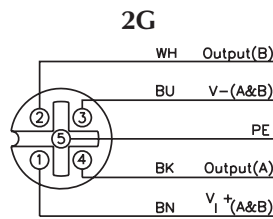
Mating cordset:
Sensor with dual outputs:
RK 4.4T-*-RS 4.4T
Two sensors:
RK 4.5T-*-RS 4.5T
Splitter:
VBRS 4.5-2RK 4T-*/S818



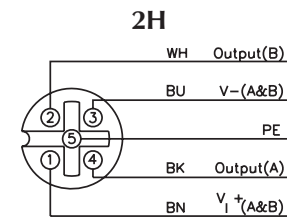
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Mating cordset:
RK 4.4T-*-RS 4.4T



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-*/

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-3	I-2	I-1	I-0
	1	IOS-3	IOS-2	IOS-1	IOS-0	ISS-3	ISS-2	ISS-1	ISS-0
	2	OOS-3	OOS-2	OOS-1	OOS-0	OSS-3	OSS-2	OSS-1	OSS-0
	3	-	APS	-	-	-	-	-	-
Out	0	-	-	-	-	0-3	0-2	0-1	0-0

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	ISS-7	ISS-6	ISS-5	ISS-4	ISS-3	ISS-2	ISS-1	ISS-0
	2	IOS-7	IOS-6	IOS-5	IOS-4	IOS-3	IOS-2	IOS-1	IOS-0
	3	OS-7	OS-6	OS-5	OS-4	OS-3	OS-2	OS-1	OS-0
	4	-	APS	-	-	-	-	-	-
Out	0	0-7	0-6	0-5	0-4	0-3	0-2	0-1	0-0