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E-Connect Stations



FDNP-ES44-TC
FDNP-ES88-TC
FDNP-ES88-TT

- **Rugged, Fully Potted Stations**
- **Monitor E-Stop Switches with DeviceNet**
- **IP 67, IP 68, IP 69K Protection**
- **Automatic Baud Rate Sensing**

Electrical

- Operating Current: <40 mA (from DeviceNet)
- Output Current: <500 mA per output (from Aux. Power)

Power Distribution

- Inputs: Auxiliary 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

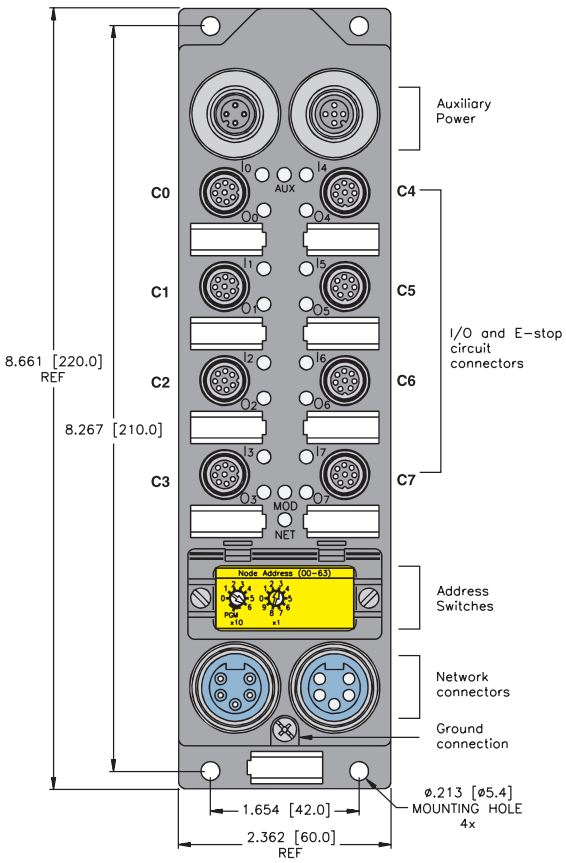
- Connectors: Nickel-plated brass (stainless steel available on request)
- Housing: Nylon 6 (other materials available on request)

Diagnostics (Logical)

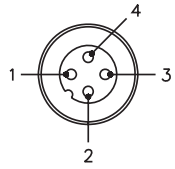
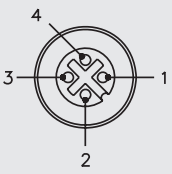
- One bit in I/O table indicates status of Auxiliary Power Supply (APS)

Diagnostics (Physical)

- LEDs to indicate status of DeviceNet communication

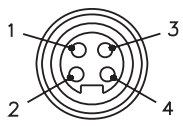


Aux. Power *eurofast* Pinout

Male	Female
	
4-Pin	4-Pin

1 = V_{AUX+}
2 = SC_1
3 = SC_2
4 = V_{AUX-}

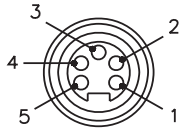
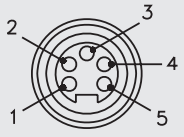
Aux. Power *minifast* Pinout ...-TC

Male	Female
	
4-Pin	4-Pin

1 = V_{AUX+}
2 = SC_1
3 = SC_2
4 = V_{AUX-}

...-TT

DeviceNet *minifast* Pinout

Male	Female
	
5-Pin	5-Pin

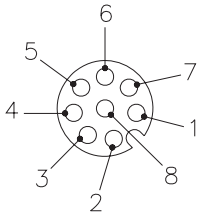
1 = Shield
2 = V+
3 = V-
4 = CAN_H
5 = CAN_L

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	Inputs								Outputs							Data
Part Number	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-ES44-TC	4	0-1, 4-5	E8	1	E-Stop				4	0-1, 4-5	E8	1	0.5 A			2
FDNP-ES88-TC	8	0-7	E8	1	E-Stop				8	0-7	E8	1	0.5 A			1
FDNP-ES88-TT	8	0-7	E8	1	E-Stop				8	0-7	E8	1	0.5 A			1

Input/Output Connectors

E8



1 = In
2 = Out
3 = AUX+
4 = SC1
5 = $SC1_C$
6 = SC2
7 = $SC2_C$
8 = AUX-

Mating cordset:
RSC RKC E80-*M

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	APS	-	-	-	-	-	-	-
Out	0	O-7	O-6	O-5	O-4	O-3	O-2	O-1	O-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	APS	-	-	-	I-3	I-2	I-1	I-0
Out	0	-	-	-	-	O-3	O-2	O-1	O-0

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