

## FDNP-L0016H-TT/CS30007



This station provides a connection for up to sixteen outputs. There are two outputs per connector.

To turn on an output, simply set the corresponding output bit. The output will switch high and the LED will turn green. If the output is shorted the module status LED will flash red and the output status bit will be set. All output circuits are individually short circuit protected.

The node address can be set using the rotary switches located under the device cover or through software node commissioning. The communication rate is fixed at 500 kbps (Auto-Baud is disabled).

The FDNP-I0016H-TT/CS30007 supports explicit messaging, polled, change of state, and cyclic I/O messages. These connections are established through UCMM or predefined master/slave connection set.

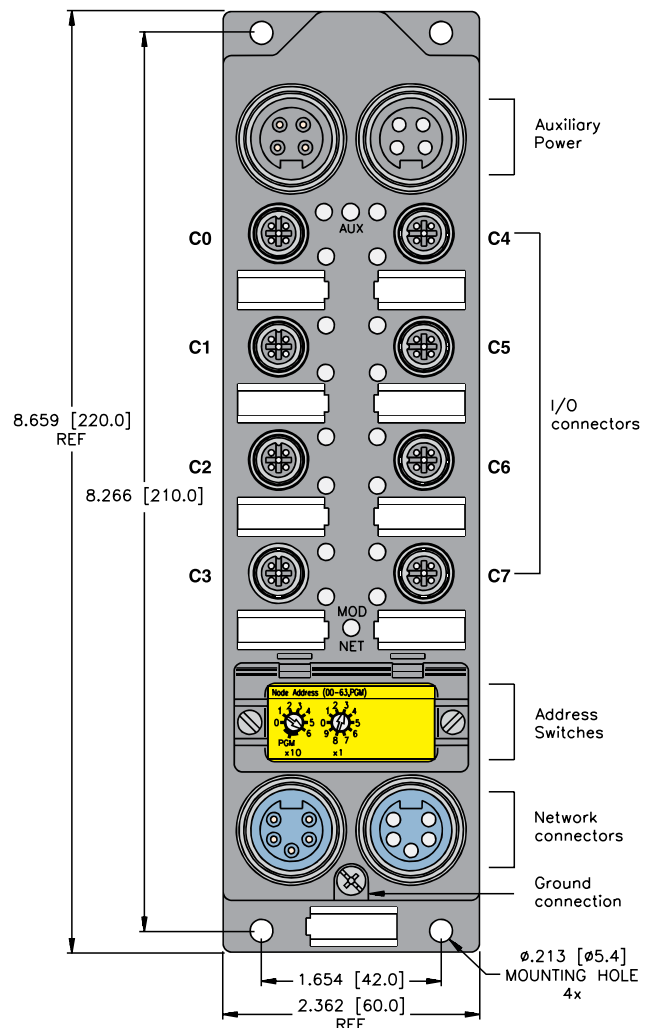
Recommended Cordsets:

Bus line: RSM RKM 579-\*M

Auxiliary power: RSM RKM 47- \*M

Output: RK 4.4T-\*RS 4.4T

### Dimensions



### FDNP-L0016H-TT/CS30007

- Advanced DeviceNet™ station
- Sixteen outputs

#### Applications

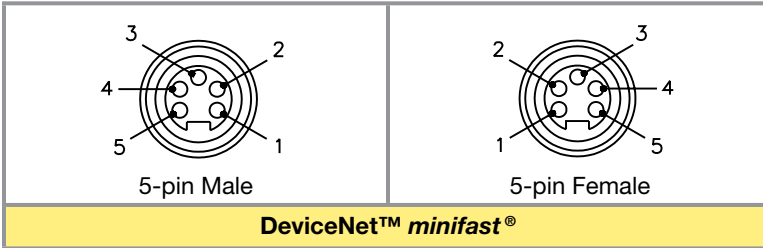
- For wet or dry environments
- For use with sixteen discrete actuators

#### Features

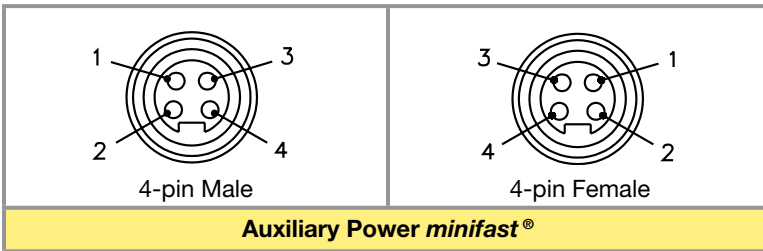
- 0.5 amp short-circuit protected outputs
- Glass filled nylon with nickel plated brass connectors
- Rotary address switches
- 500 kbps

# FDNP-L0016H-TT/CS30007

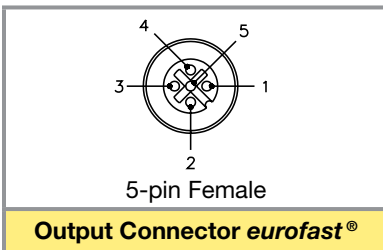
## Connectors



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



- 1 = V+ - Outputs
- 2 = E+ — Inputs
- 3 = E- — Inputs
- 4 = V- - Outputs



- 1 = +V
- 2 = Output (Odd)
- 3 = -V
- 4 = Output (Even)
- 5 = PE

## I/O Data Mapping

Item Number F2032  
Product Type / Code: 7/2032

Input Data	Byte	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
	0	-	OGS	-	-	-	-	-	-
Output Data	Byte	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
	0	O-7	O-6	O-5	O-4	O-3	O-2	O-1	O-0
1	O-15	O-14	O-13	O-12	O-11	O-10	O-9	O-8	

## Abbreviations

O = Output Data (0=OFF, 1=ON)  
OGS = Output Group Status (0=Working, 1=Fault)

## FDNP-L0016H-TT/CS30007

### Module Specifications

#### Supply Voltage

Bus Power	11-26 VDC
Internal Current Consumption	<75 mA (from bus power)
Auxiliary Power	18-26 VDC

#### Output Circuits

(16) DC actuators

Output Voltage	18-26 VDC (from auxiliary power)
Output Load Current	0.5 A per output (from auxiliary power)
Maximum Switching Frequency	100 Hz

#### Output LED Indications

Off = Not active  
 Green = Active

#### Module Status LED

Off = Power off  
 Green = Operating  
 Flashing Green = Autobaud  
 Flashing Red = Output Short

#### Network Status LED

Off = No connection  
 Green = Established connection  
 Flashing green = Ready for connection  
 Flashing red = Connection time-out  
 Red = Connection not possible

#### Auxiliary LED Indication

Off = No auxiliary power  
 On = Power present

#### Adjustments

via rotary switch

Address	0-63 Auto/125k/250k/500k
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#### Housing

220 x 60 x 40 (H x W x D)

Material	Glass-filled nylon, nickel plated brass connectors
Enclosure	NEMA 1, 3, 4, 6, 6P, 12, 13 and IEC IP 67, 68, and 69K
Operating Temperature	-40° to +70°C (-40° to 158° F)