

Analog Input Stations

- Rugged, Fully Potted Stations
- IP 67 Protection
- Small Footprint
- Automatic Baud Rate Sensing



SDNB-40A-0005
SDNB-40A-0007



Electrical

- Operating Current: <75 mA plus sensor currents (from U_B)

Power Distribution

- Inputs: U_B Power supply

Mechanical

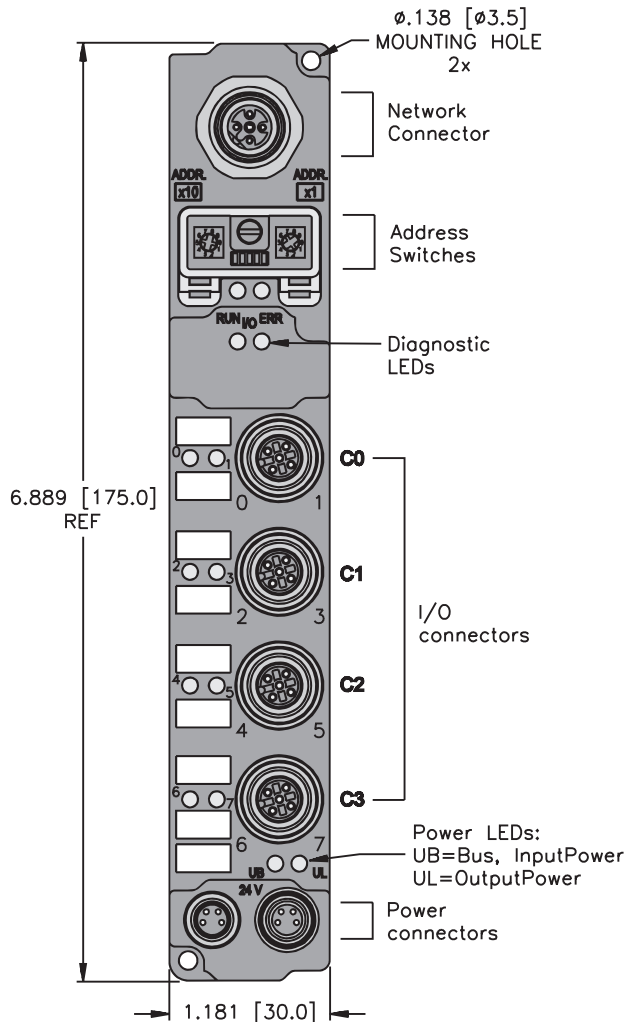
- Operating Temperature: 0 to +55°C (+32 to +131°F)
- Protection: IEC IP 67
- Vibration: IEC 68, part 2-6

Material

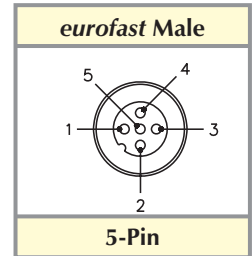
- Connectors: Nickel-plated brass
- Housing: Nylon

Diagnostics (Physical)

- One LED indicates an I/O fault for the entire station
- LEDs to indicate status of DeviceNet communication

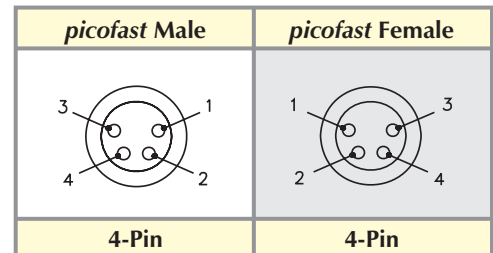


DeviceNet Pinout



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

Aux. Power

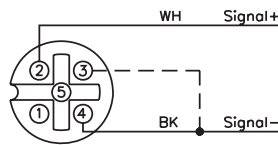


- 1 = U_B+
- 2 = U_L+
- 3 = Gnd_B
- 4 = Gnd_L

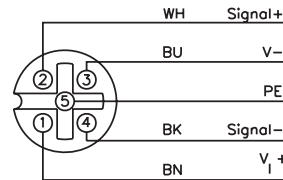
Inputs										Data
Part Number	Input Count	Connectors	Pinout	Inputs per Connector	Sensor Style	Group Diagnostics	Individual Diagnostics	Wire-Break Detection	I/O Map	
SDNB-40A-0005	4	0-3	AI	1	-10/0 to 10 V				1	
SDNB-40A-0007	4	0-3	AI	1	0 to 20 mA				1	

Input/Output Connectors

AI



Loop Powered (Isolated)



DeviceNet Powered Transducer

Mating cordset:

Isolated Loop:

RK 4.5T-*M-RS 4.5T/S653

Loop Powered:

RK 4.5T-*M-RS 4.5T/LPS/S653

Note: The "LPS" in the part number indicates that the cord jumpers pin 3 to pin 4 on the male side to the signal- to the station common. Pin 3 is not connected at the female end.

Applications:

TURCK Sensors:

LU; RK 4.4T-*RS 4.4T/S1118

LI; RK 4.4T-*RS 4.4T/S1120

I/O Data Map 1

In	Byte	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
	0	Channel 0, MSB							
1	Channel 0, LSB								
2	Channel 1, MSB								
3	Channel 1, LSB								
4	Channel 2, MSB								
5	Channel 2, LSB								
6	Channel 3, MSB								
7	Channel 3, LSB								
8	-	-	-	-	-	AIS-3	AIS-2	AIS-1	AIS-0