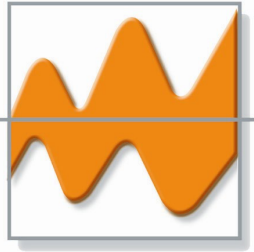


BALOGH



WWW.BALOGHRFID.COM

BIDP90/** Profibus® Control Interface

RFID Control Interface

Industrial Product Range



Key For Tag Suffix

Suffix	Tag Series Description
X	OMX High Speed Industrial R/W Tag Series
E	GIE Industrial R/W Enhanced Speed Tag Series
A	OMA Industrial R/W Tag Series
F	OF Read-Only 7 Byte Industrial Tag Series
L	OLR Long Range 2 Byte Read-Only Industrial Tag
P	OP Light Industrial R/W Tag Series
FC	TAF High Speed R/W Light Industrial Tag Series
IC	TAI Light Industrial R/W Tag Series

Ordering Information

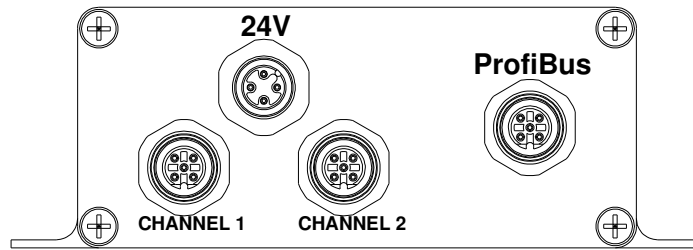
When assembling your part number, please include the corresponding tag suffix.

Example: BIDP90/XX. - OMX High Speed Industrial R/W Tag Series. (Cables and Connectors Sold Separately)

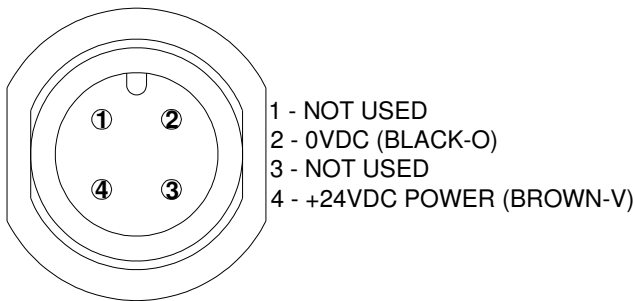
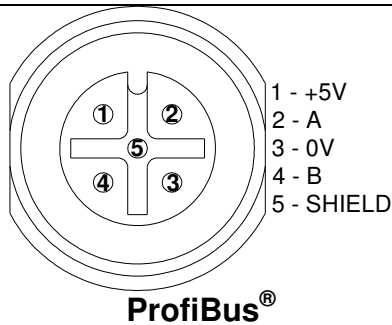
Characteristics

The BALOGH BIDP meets the needs required for today's network flexibility. It is also compatible with existing network devices such as I/O, push button, motion controls, motor controls, motor starters, photo cells, limit switches, etc. Multi-Drop capability: Allows a connection scheme of multiple BIDP interface units on a Profibus-DP® Network. Each BIDP has dual channel capability. Two Transceivers can be connected to each BIDP. Each functions independently and simultaneously. Small footprint provides ease of mounting (202mm x 130mm x 45mm) with an IP-65 rated metallic enclosure and quick connect wiring. It also provides field mounting, durability, and reduces wiring costs. Selectable data transfer rates up to 12 mega-baud. Bi-Color LED indication for the following: Bus Status, Channel Operation, TAG Presence, Transceiver fault, and 24 VDC Power. DIP switch Selectable Node Addressing. Bank of 7 DIP switches located behind cover next to status LED indicators. Profibus-DP® allows Node selection from 0 to 125. DIP switch 8 selects for Auto and Manual Transceiver Mode Communications.

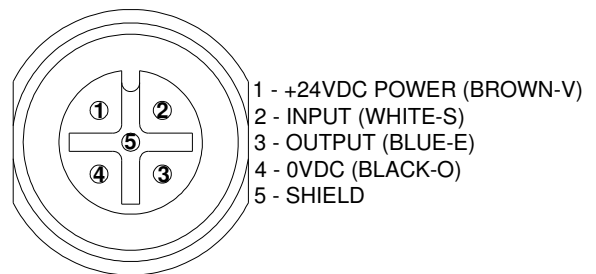
Installation Information/Cable Pin Outs



COLOR CODE REFERS TO ONLY BALOGH CABLING



Power: 24 VDC



Transceiver Channel 1&2

Cabling And Accessories (SOLD SEPERATELY)

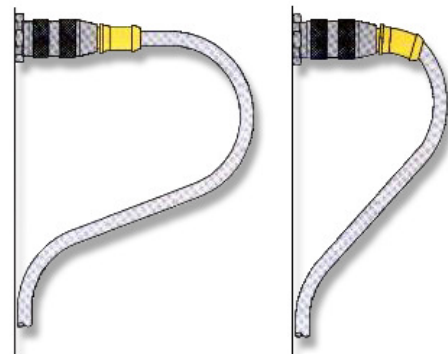
Power Cable - SEF/ST/**
Standard Cable Lengths are 2, 5m, 25, 50, 75, 100ft

Network Connection - SEF/ST/**
Standard Cable Lengths are 2, 5m, 25, 50, 75, 100ft

Transceiver Cable – MF/EXT/** (LENGTHS ARE IN METERS)
Standard Cable Lengths are 2, 5, 10, 15, 20, 25, 30, 35m

** Indicates Cable Length Please Contact Balogh for other cable lengths.

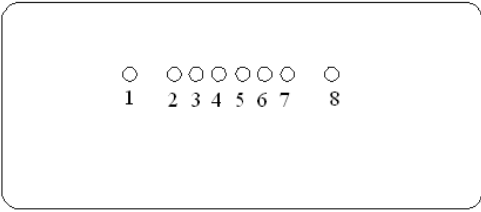
Only Hand Tighten Cables Correct



Bend radius 3 x cable diameter

Technical Information

- 2 Transceiver Channels
- 1 ProfiBus® Connection
- Operating Temperature 0° to 50° C
- Weight - 750 Grams
- Requires Regulated 24 VDC (± 2%)
- Consumes 50 mA of power (without transceivers) 350 mA (w/Transcievers)

BIDN Dip Switches								
LSB			Node Address				MSB	
1	2	3	4	5	6	7	8	
OFF	OFF	OFF	OFF	OFF	OFF	OFF	N/A	00
ON	OFF	ON	ON	ON	ON	ON	N/A	125
LSB			MODE				MSB	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	ON	MANUAL
N/A	N/A	N/A	N/A	N/A	N/A	N/A	OFF	AUTO
Status LED'S								
							1 - 24 VDC 2 - Channel 2 Error 3 - Channel 2 Tag Present 4 - Channel 2 Execution 5 - Channel 1 Error 6 - Channel 1 Tag Present 7 - Channel 1 Execution 8 - Network Status	
Dip Switches Located Behind LED Cover								

FAQ

Dimensional Drawing

