

In-Cabinet Block I/O

In-cabinet (IP20) block I/O is a cost-efficient networking solution that is used in an enclosure and designed to replace terminal blocks with intelligent I/O. TURCK in-cabinet block I/O modules accommodate applications with a wide range of analog, digital and specialty I/O, as well as I/O for safety systems. Modules are also ideal for applications when dealing with large batches of similar I/O signals.



FEN20 Ethernet digital block I/O

- Features Multiprotocol capability for Modbus® TP, EtherNet/IP™ or PROFINET®
- Freely configurable I/Os
- Two housing sizes to support 8 or 16 channels



FDP20 PROFIBUS® digital I/O

- Diagnostics according to PROFIBUS standard
- Freely configurable I/Os
- Channel-specific diagnostics
- Up to 16 channels



FDN20 DeviceNet™ block I/O

- DeviceNet™ or Isolated I/O power supply
- Channel- or module-specific diagnostics
- Three housing sizes to support 8, 16 or 32 channels
- Available with M12 receptacle for easy panel mounting



FAS20 AS-interface® digital I/O

- Up to 8 channels
- Available with M12 receptacle for easy panel mounting
- V3.0 compatible, 62 modules with 4in/4out each



PRODUCT

Part Number Key

Discrete I/O

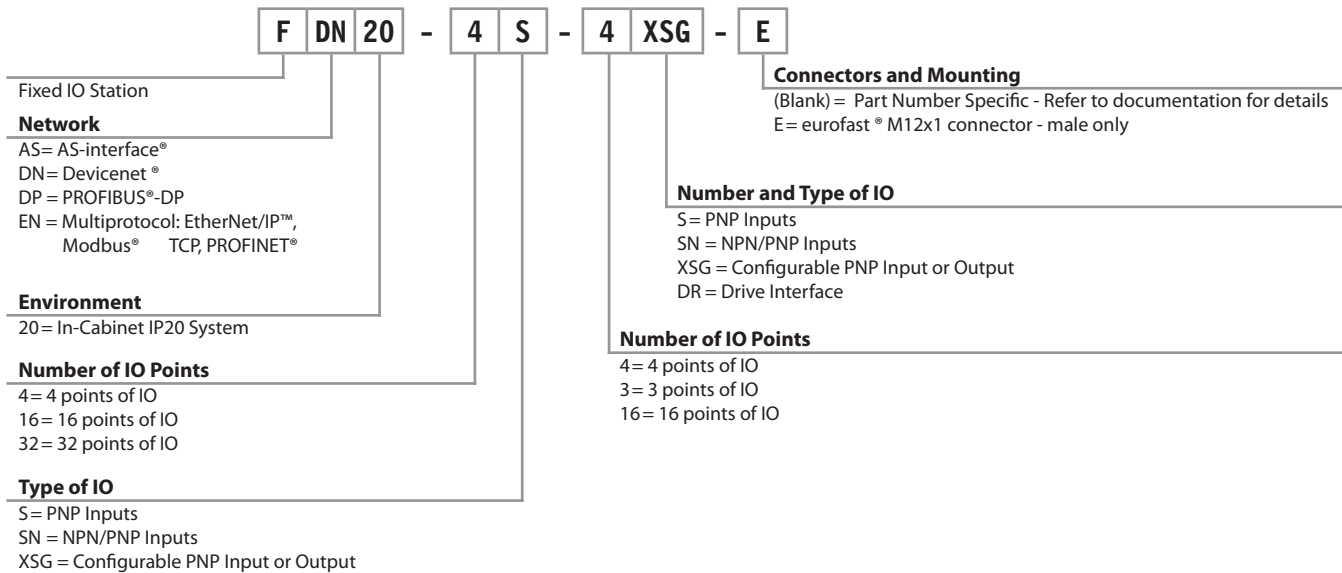
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IN-CABINET BLOCK I/O

In-Cabinet Block I/O Part Number Key



Notes:

In-Cabinet Block

IN-CABINET BLOCK I/O

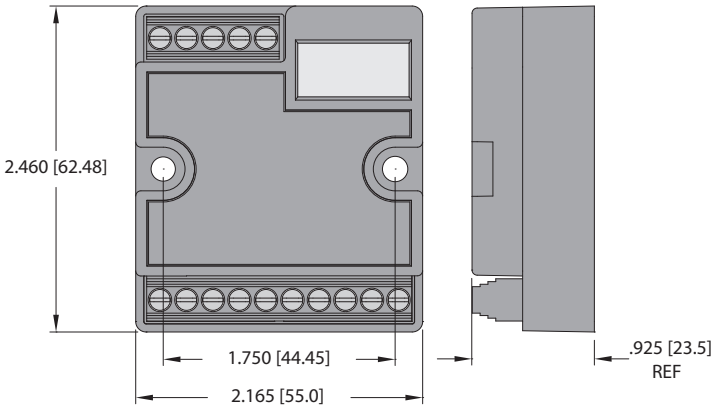
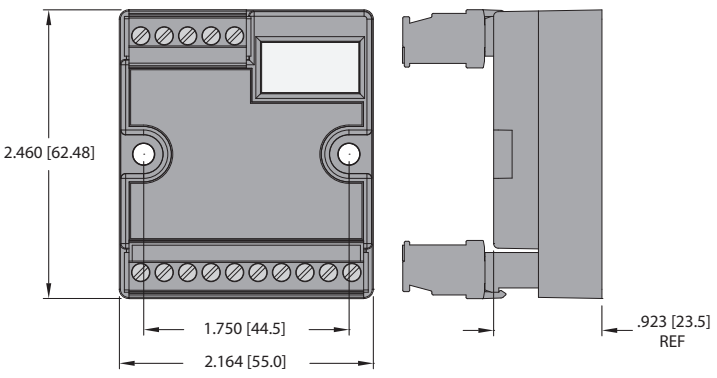
Discrete I/O

- PNP Style I/O*
- 0.5A Outputs*
- Fiberglass Reinforced Nylon Housing
- Screw Terminals
- IP20

* Unless otherwise specified in the notes.



Pictures represent a sampling of housings

Housing Style	Part Number	Protocol
	FEN20-4S-4XSG	Multiprotocol
	FAS20-4S	AS-I
	FAS20-4S	AS-I
	FAS20-4S	AS-I
	FAS20-4S-4G	AS-I
	FAS20-4S-4G-A	AS-I
	FDN20-4S-4XSG	DeviceNet™
	FAS20-4S-4G-R-A	AS-I
	FAS20-4S-R	AS-I

DISTRIBUTED I/O SALES GUIDE



In-Cabinet Block

Number of Inputs	Number of Outputs	Aux. Power	Certifications	Notes:
8	4		CE	4 Configurable Input or Output Channels
4			UL, CE	AS-I v3.0 Extended Addressing
4			UL, CE	AS-I v3.0 Extended Addressing
4			UL, CE	AS-I v3.0 Extended Addressing
4	4		UL, CE	130 mA Combined Outputs, AS-I v2.0/2.1/3.0 Standard Addressing
4	4	x	UL, CE	High Power 1A Outputs, AS-I v3.0 Extended Addressing
8	4		UL, CE, CSA, FM	4 Configurable Input or Output Channels
4	4	x	UL, CE	High Power 1A Outputs, AS-I v3.0 Extended Addressing, Removable Terminals
4			UL, CE	AS-I v3.0 Extended Addressing, Removable Terminals

IN-CABINET BLOCK I/O

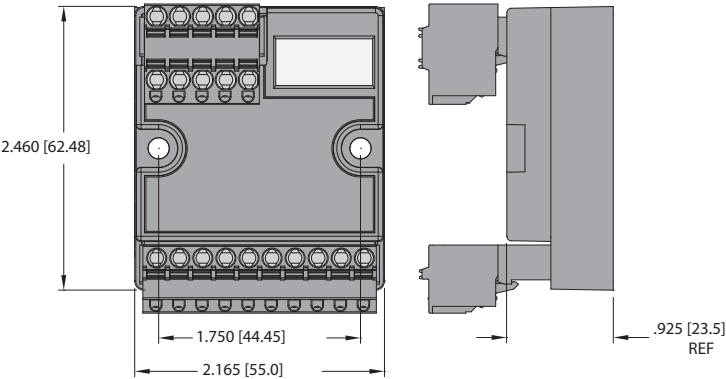
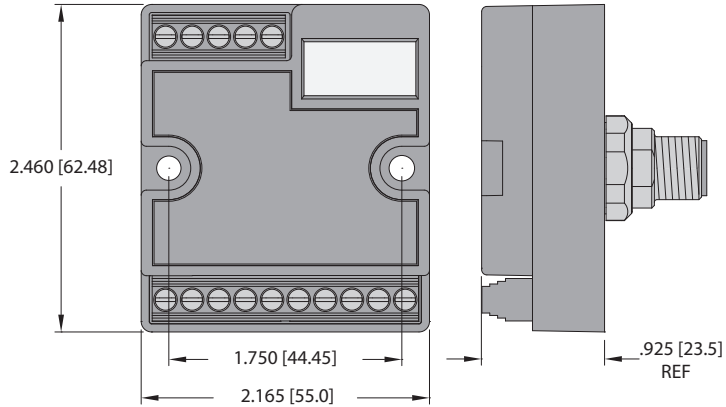
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Housing Style	Part Number	Protocol
	FDN20-4S-4XSG/C1261	DeviceNet™
	FAS20-4S-4G-E-A	AS-I
	FAS20-4S-E	AS-I
	FDN20-4S-4XSG-E	DeviceNet

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Number of Inputs	Number of Outputs	Aux. Power	Certifications	Notes:
8	4		UL, CE	4 Configurable Input or Output Channels, Removable Terminals
4	4	x	UL, CE	High Power 1A Outputs, AS-I v3.0 Extended Addressing, M12 Fieldbus Connector
4			UL, CE	AS-I v3.0 Extended Addressing, M12 Fieldbus Connector
8	4		UL, CE, CSA, FM	4 Configurable Input or Output Channels, M12 Fieldbus Connector

In-Cabinet Block

IN-CABINET BLOCK I/O

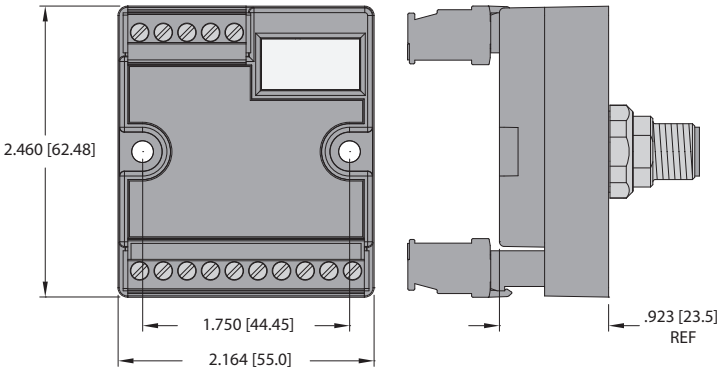
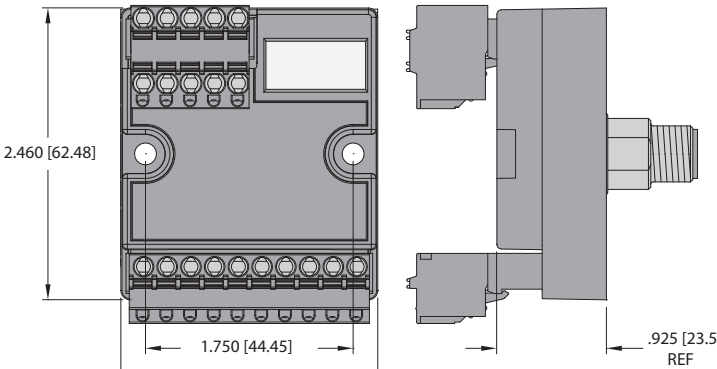
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Housing Style	Part Number	Protocol
	FAS20-4S-4G-ER-A	AS-I
	FAS20-4S-ER	AS-I
	FDN20-4S-4XSG-E/C1261	DeviceNet™

Number of Inputs	Number of Outputs	Aux. Power	Certifications	Notes:
4	4	x	UL, CE	High Power 1A Outputs, AS-I v3.0 Extended Addressing, M12 Fieldbus Connector, Removable Terminals
4			UL, CE	AS-I v3.0 Extended Addressing, M12 Fieldbus Connector, Removable Terminals
8	4		UL, CE	4 Configurable Input or Output Channels, M12 Fieldbus Connector, Removable Terminals

In-Cabinet Block

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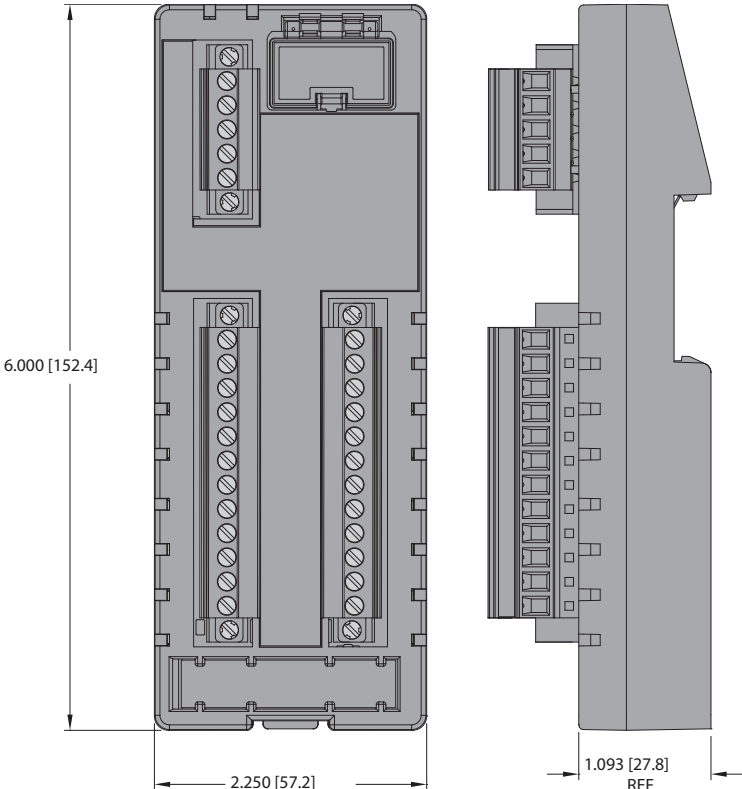
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Housing Style	Part Number	Protocol
	FEN20-16XSG	Multiprotocol
	FDN20-16S	DeviceNet™
	FDN20-16XSG	DeviceNet
	FDN20-4DR	DeviceNet
	FDN20-4DR	DeviceNet
	FDP20-16S	PROFIBUS-DP
	FDP20-16XSG	PROFIBUS-DP

Number of Inputs	Number of Outputs	Aux. Power	Certifications	Notes:
16		x	CE	16 Configurable Input or Output Channels
16		x	UL, CE, CSA, FM	
16	16	x	UL, CE, CSA, FM	16 Configurable Input or Output Channels
4	16		UL, CE, CSA	4 NPN Inputs, 12 Solid State Relay Outputs, 4 Analog Voltage Outputs
4	16		UL, CE, CSA	4 NPN Inputs, 12 Solid State Relay Outputs, 4 Analog Voltage Outputs
16		x	UL, CE, CSA, FM	
16	16	x	UL, CE, CSA, FM	16 Configurable Input or Output Channels

In-Cabinet Block

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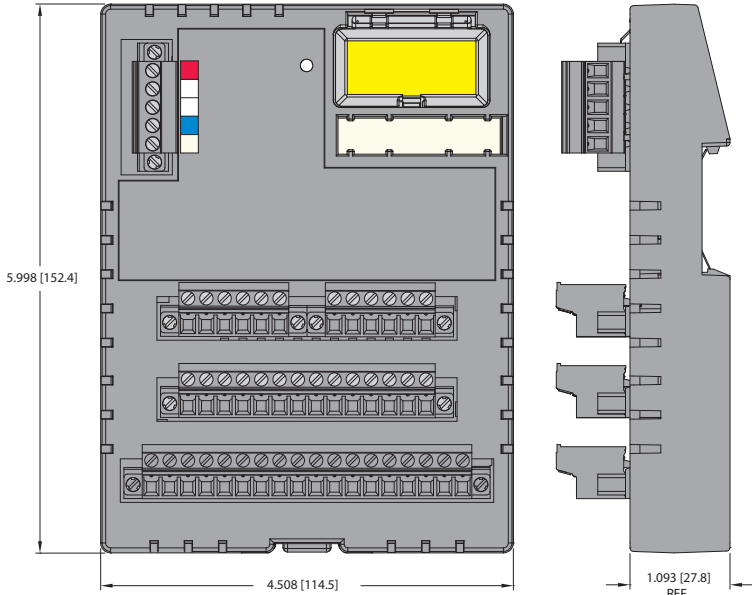
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Housing Style	Part Number	Protocol
	FDN20-16SN-16XSG	DeviceNet™
	FDN20-32SN	DeviceNet

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In-Cabinet Block

Number of Inputs	Number of Outputs	Aux. Power	Certifications	Notes:
32	16	x	UL, CE, CSA	16 PNP/NPN Configurable Inputs, 16 Configurable Input or Output Channels
32		x	CE	PNP/NPN Configurable Inputs