

TB-D5008-INV-005

8-pos Term. Board for Foxboro UIO card FBM247/FBM248

This Termination Board (TB) provides direct connection between the I/O Card of the system and D5000 / D6000 Series modules. The Intrinsically Safe protection and signal isolation between Safe and Hazardous Area, is provided by D5000 Series Associated Apparatus. The 24 Vdc Power Supply of the TB is connected to two plug-in terminal blocks, for a redundant power supply.

FEATURES

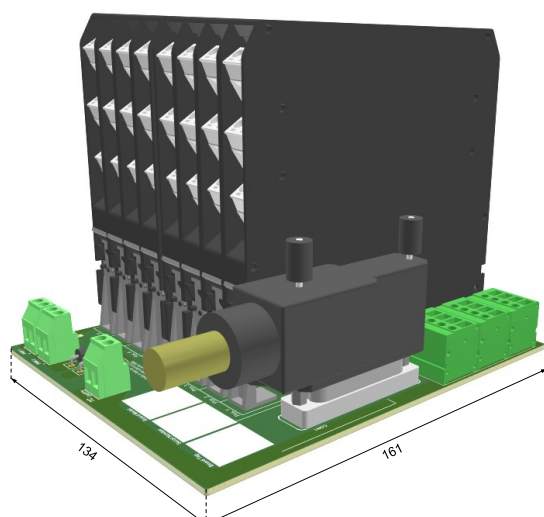
- Foxboro UIO Cards board interfaces
- 8 positions Termination Board for up to 8 channels
- Installation in Zone 2/Div. 2
- Lower cables installation and maintenance costs
- Power supplies redundancy
- Mounting hardware provided for single DIN Rail mounting kit

SUPPORTED CARDS & MODULES

SYSTEM	I/O CARD	CARDS / BOARDS	MODULES
FBM200	FBM247 FBM248	1	D5014S, D5015SK, D5020S, D5031S, D5032S, D5037S, D5049S, D5072S-099, D5093S, D5099S, D6002S, D6003S, D6004S, D6014S, D6015SK, D6020S, D6031S, D6032S, D6037S, D6072S-099

For more detailed information, refer to Instruction Manual.

TERMINATION BOARD IMAGE



TECHNICAL DATA

General

Number of positions: 8

Maximum number of channels: 8

Supply

24 Vdc nom (20 to 30 Vdc), reverse polarity protected, double terminal blocks for redundant power supply, with OR diodes to mix supply voltages.

Max allowed current consumption: 4 A (as total supply).

Connection: screw type for terminations up to 2.5 mm².

I/O Card Interface

Connection: one 25 poles SUB-D male connector (requires female mating connector).

Cable: system cable Type 1.

Environmental conditions

Operating temperature: temperature limits –40 to +70 °C.

Max altitude: 2000 m a.s.l.

Storage temperature: temperature limits –45 to +80 °C.

Mounting

Hardware included for mounting on single DIN-rail 35 mm.

Weight: about 200 g (excluding modules).

Location: installation in Safe Area or Zone 2, Group IIC T4, or Class I, Division 2, Group A,B,C,D, T4.

Dimensions: Width 134 mm, Depth 161 mm, Height 154 mm.

ORDERING INFORMATION

Ordering codes

TB-D5008-INV-005



Functional Safety Management Certification:

GM International is certified to conform to IEC61508:2010 part 1 clauses 5-6 for safety related systems up to and included SIL3. In addition, GM International products have been granted I.S. certificates from the most credited Notified Bodies in the world.

Data specified in this document are merely descriptive of the products and should be integrated with relevant technical specifications. Our products are in constant development and the information presented herein refers to the time of document issue. No statements concerning a certain condition or suitability for a certain application can be derived from our information. The information given does not release the user from the obligation of own judgment and verification. Terms & Conditions can be found at our website. For more information refer to instruction manual.

FUNCTION DIAGRAM

Additional installation diagrams may be found in Instruction Manual.

