

TUE-16-INV-001

16-pos Term. Unit for Foxboro AI card FBM211 & FBM214e

This Termination Unit with Enclosure (TUE) provides direct connection between the I/O Card of the system and the field terminals. It supports all types of analog current transmitters, 2-wire passive or active, as well as 3 or 4-wire field devices. HART® signals are transferred transparently between system and field in both directions. On-board voltage and current protections avoid damages due to unintentional short circuits. Redundant power supply with voltage monitoring is supported.

FEATURES

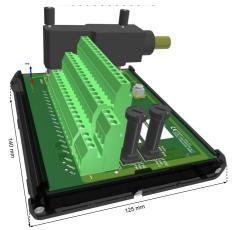
- Foxboro AI Card board interface
- 16 positions Termination Unit for up to 16 channels
- Field terminals for 2-wire passive/active and 3/4-wire transmitters
- HART® signal transparency
- On-board voltage/current protections against unintentional short circuits
 Lower cables installation and maintenance costs
- Lower cables installation and mainten
 Power supplies redundancy
- Power supplies redundancy
 Power supplies voltage monitoring
- Single DIN Rail mounting

SUPPORTED CARDS & MODULES

SYSTEM	I/O CARD	CARDS / BOARDS	MODULES
FBM	FBM211 FBM214e	1	-

For more detailed information, refer to Instruction Manual.

TERMINATION BOARD IMAGE



TECHNICAL DATA

General Maximum number of channels: 16

Supply

24 Vdc nom (20 to 30 Vdc), reverse polarity protected, redundant power supply, with OR diodes to mix supply voltages. **Max allowed current consumption:** 3 A (as total supply). **Connection:** by screw with terminations up to 2.5 mm². **Protection fuse:** 4 A time lag. **Voltage monitor:** contact closed if both power supplies are connected and active.

I/O Card Interface

Connection: 1 x 37-pin D-sub male connector (require female mating connector).

Cable: system cable Type 4.

Field Interface Connection: by screw with terminations up to 2.5 mm². Max supply current per channel: 250 mA. Signal current range: 0 to 25 mA.

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 490 g. Location: installation in Safe Area. Dimensions: Width 140 mm, Depth 125 mm, Height 80 mm.

ORDERING INFORMATION

Ordering codes TUE-16-INV-001

emp. TMP0031 Re

www.gminternational.com

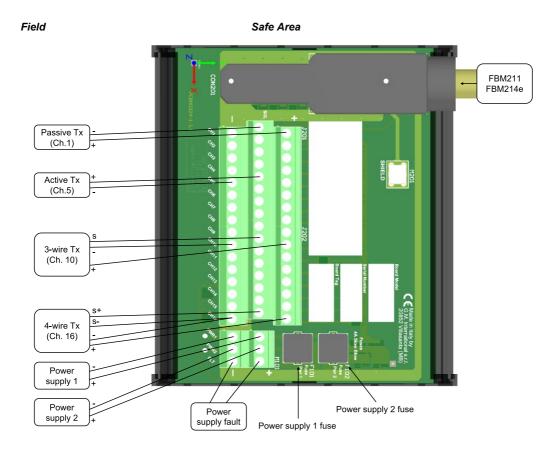
Functional Safety Management Certification:

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 istruction manual.

FUNCTION DIAGRAM

Additional installation diagrams may be found in Instruction Manual.



Temp. TMP0031 Rev.1

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