

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

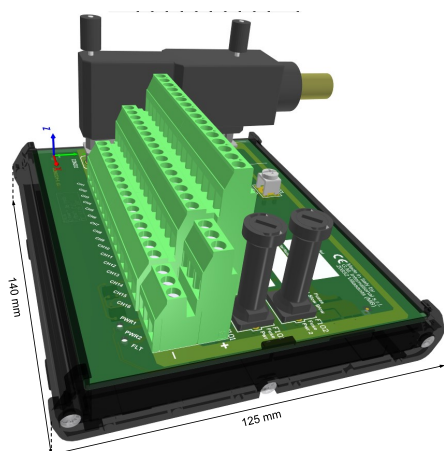
- Foxboro AI Card board interface
- 16 positions Termination Unit for up to 16 channels
- Field terminals for 2-wire passive/active and 3/4-wire transmitters
- HART® signal transparency
- On-board voltage/current protections against unintentional short circuits
- Lower cables installation and maintenance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

FUNCTION DIAGRAM

Additional installation diagrams may be found in Instruction Manual.

