

TBE-D5016-TRI-010

SIL3 16-pos Term. Board for Tricon CX AO card 3809(A)X and UIO card 3902(A)X

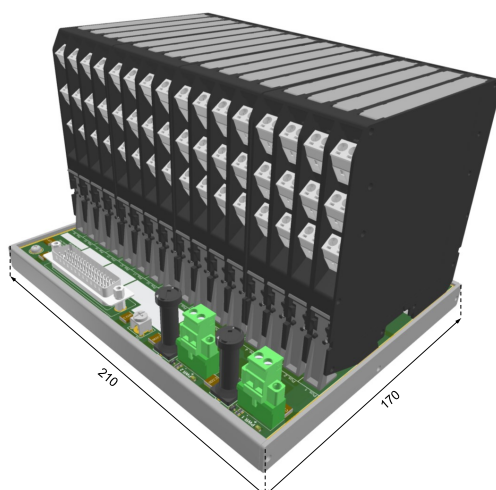
This Termination Board with Enclosure (TBE) provides direct connection between the I/O Card of the system and D5000 / D6000 Series modules. The Intrinsically Safe protection and signal isolation between Safe and Hazardous Area, is provided by D5000 Series Associated Apparatus. The 24 Vdc Power Supply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

FEATURES

- SIL 3 / SC 3
- Zone 2/Div. 2 Installation
- Tricon CX AO Card board interfaces
- Tricon CX UIO Card board interfaces
- 16 positions Termination Board for up to 16 channels
- Lower cables installation and maintenance costs
- Mounting hardware provided for single DIN Rail mounting kit

SYSTEM	I/O CARD	CARDS / BOARDS	MODULES
Tricon CX	3809(A)X	1	D5020S, D6001S, D6020S
Tricon CX	3902(A)X	1	D5014S, D5015SK, D5020S, D5031S, D5032S, D5037S, D5038SB, D5039SB, D5049S, D5072S-099, D5090S-102, D5091S-103, D5093S, D5094S-104, D5095S-105, D5096S-106, D5097S-107, D6001S, D6004S, D6014S, D6015SK, D6017SK, D6020S, D6031S, D6032S, D6037S, D6038SB, D6039SB, D6072S-099

TERMINATION BOARD IMAGE



TECHNICAL DATA

General

Number of positions: 16

Maximum number of channels: 16

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: 1.5 A (as total supply).

Connection: by polarized plug-in disconnect screw terminal blocks to accommodate terminations up to 2.5 mm².

Protection fuse: 3.15 A time lag.

I/O Card Interface

Connection: one SUB D50 male connector (require female mating connector).

Cable: system cable 4X00227-5xx with AO Card 3809(A)X, 4X00224-3xx with UIO Card 3902(A)X.

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 700 g, excluding modules (+ 380 g metal clips).

Location: installation in Safe Area or Zone 2, Group IIC T4, or Class 1, Div. 2, Group A, B, C, D, T4.

Dimensions: Width 210 mm, Depth 170 mm, Height 154 mm.

ORDERING INFORMATION

Ordering codes

TBE-D5016-TRI-010

Accessories

The Termination Board is already provided with plastic DIN-rail clips. Metal clips, replacement plastic clips as well as conformal coating must be ordered as a separate accessory according to the following items.

TBE-FIX-PL-001(x2) Plastic DIN-rail clips
TBE-FIX-MT-001(x2) Metal DIN-rail clips
TBE-MNT-001(x2) Factory assembly of TBE-FIX-MT-001

TBE-CTG-002 Conformal coating

FUNCTION DIAGRAM

Additional installation diagrams may be found in Instruction Manual.

