

Communication Board

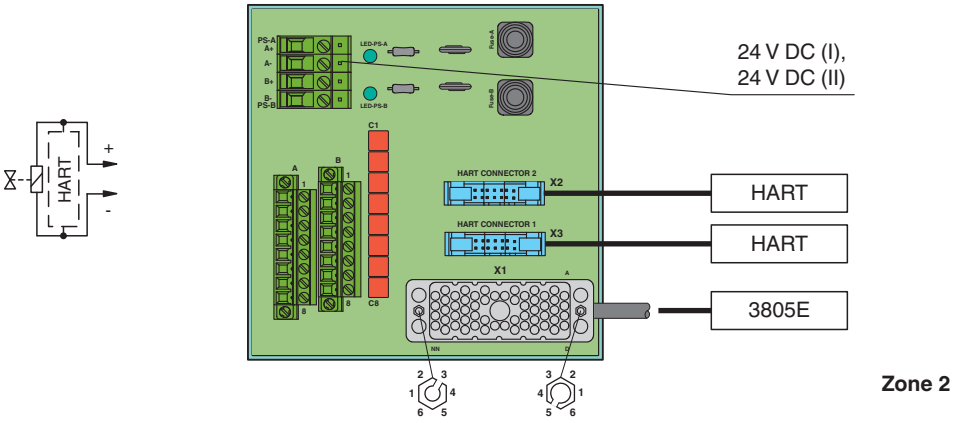
FI-PFH-TR-AO-380X

- System board for Schneider Electric, Tricon series by Triconex
- HART Termination Board (ETP) for Tricon AO module
- For 8-channel AO card 3805E
- 8-channel
- Field side: pluggable screw terminals, green
- Control side: ELCO socket, 56-pin

Function

The function of the HART Termination Board as well as the connector pin assignment exactly fit the requirement of Triconex systems.
The HART termination board has pluggable screw terminals to connect HART field devices.
The 26-pin flat cable K-HM26 is used for connection of each HART Multiplexers KFD*-HM*-16 to the termination board.
The design permits the fast and reliable installation in the system cabinet.

Connection



Technical Data

Supply		
Rated voltage	U_r	25 ... 28 V DC SELV/PELV
Ripple		max. 10 %
Fusing		1 A
Power dissipation		≤ 500 mW
Interface		
Type		multiplexer connection : IDC plug, 26-pin
Redundancy		
Supply		Redundancy available. The supply is monitored and fused.
Signal lines		
Rated current	I_B	max. 30 mA per channel
Indicators/settings		

Release date: 2026-04-08 Date of issue: 2026-04-08 Filename: 242606_eng.pdf

Technical Data

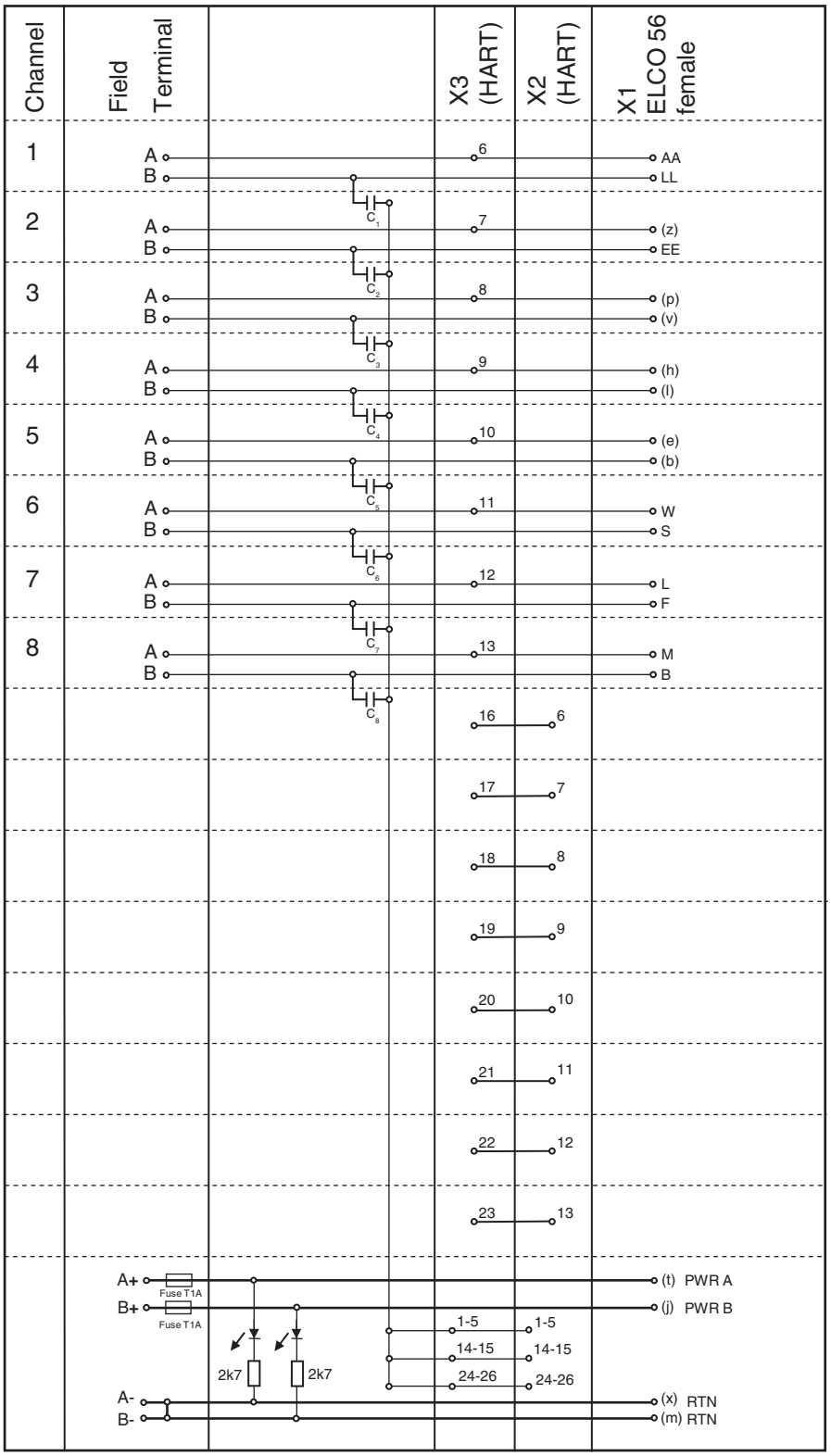
Display elements	- LED PS-A (Termination Board power supply), green LED - LED PS-B (Termination Board power supply), green LED
Directive conformity	
Electromagnetic compatibility	
Directive 2014/30/EU	EN 61326-1:2013 (industrial locations)
Conformity	
Electromagnetic compatibility	NE 21:2017 For further information see system description.
Degree of protection	IEC 60529:2001
Shock resistance	EN 60068-2-27
Vibration resistance	EN 60068-2-6
Ambient conditions	
Ambient temperature	0 ... 50 °C (32 ... 122 °F)
Storage temperature	-15 ... 50 °C (5 ... 122 °F)
Relative humidity	≤ 93 % non-condensing
Shock resistance	15 g , 11 ms
Vibration resistance	1 g , 10 ... 150 Hz
Mechanical specifications	
Degree of protection	IP20
Connection	
Field side	pluggable screw terminals , green
Control side	ELCO socket, 56-pin HART : 2 x IDC plug, 26-pin
Supply	screw terminals , green
Core cross section	0.5 ... 2.5 mm² (20 ... 12 AWG)
Material	
Housing	PVC
Mass	approx. 300 g
Dimensions	126 x 123 x 59 mm (5.0 x 4.9 x 2.3 inch) (W x H x D)
Mounting	on 35 mm DIN mounting rail acc. to EN 60715:2001
Data for application in connection with hazardous areas	
Certificate	PF 11 CERT 1933 X
Marking	Ⓔx II 3G Ex nA IIC T4 Gc
Directive conformity	
Directive 2014/34/EU	EN IEC 60079-0:2018+AC:2020 , EN 60079-15:2010
General information	
Supplementary information	Observe the certificates, declarations of conformity, instruction manuals, and manuals where applicable. For information see www.pepperl-fuchs.com.

Safety Information

We recommend that you do not connect the device supply to a DC supply network.
If you connect the device supply to a DC supply network, make sure that appropriate protective measures are implemented to ensure that no transient overvoltages occur.

Release date: 2026-04-08 Date of issue: 2026-04-08 Filename: 242606_eng.pdf

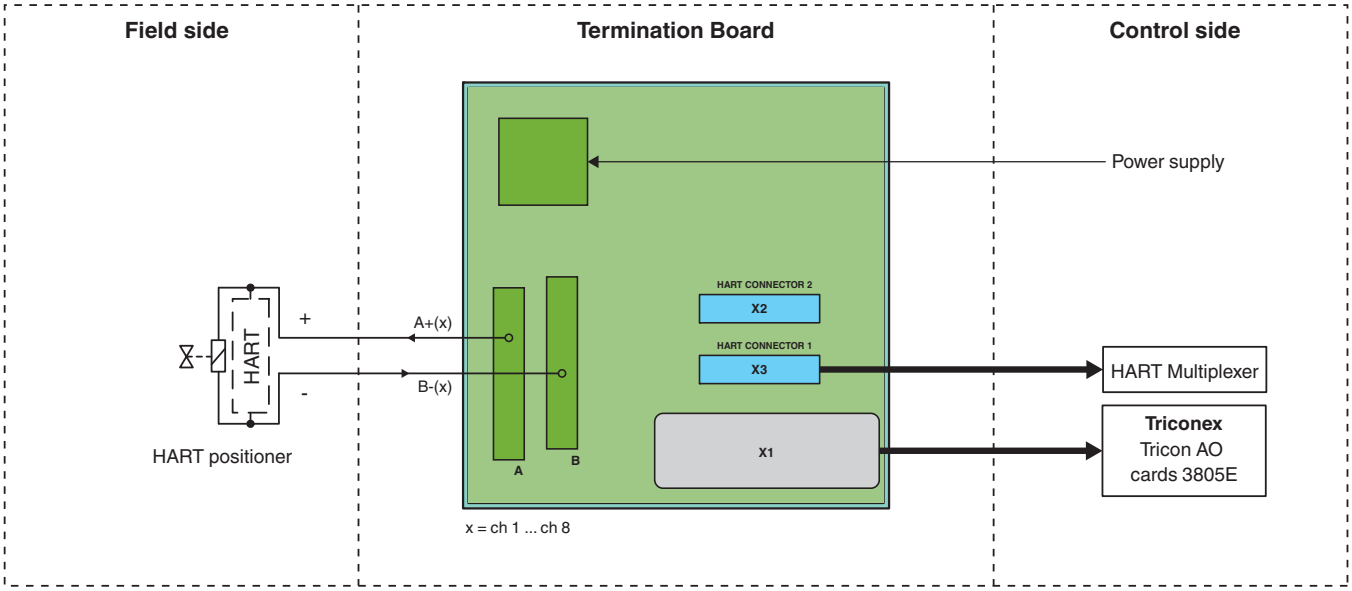
Connection Assignment



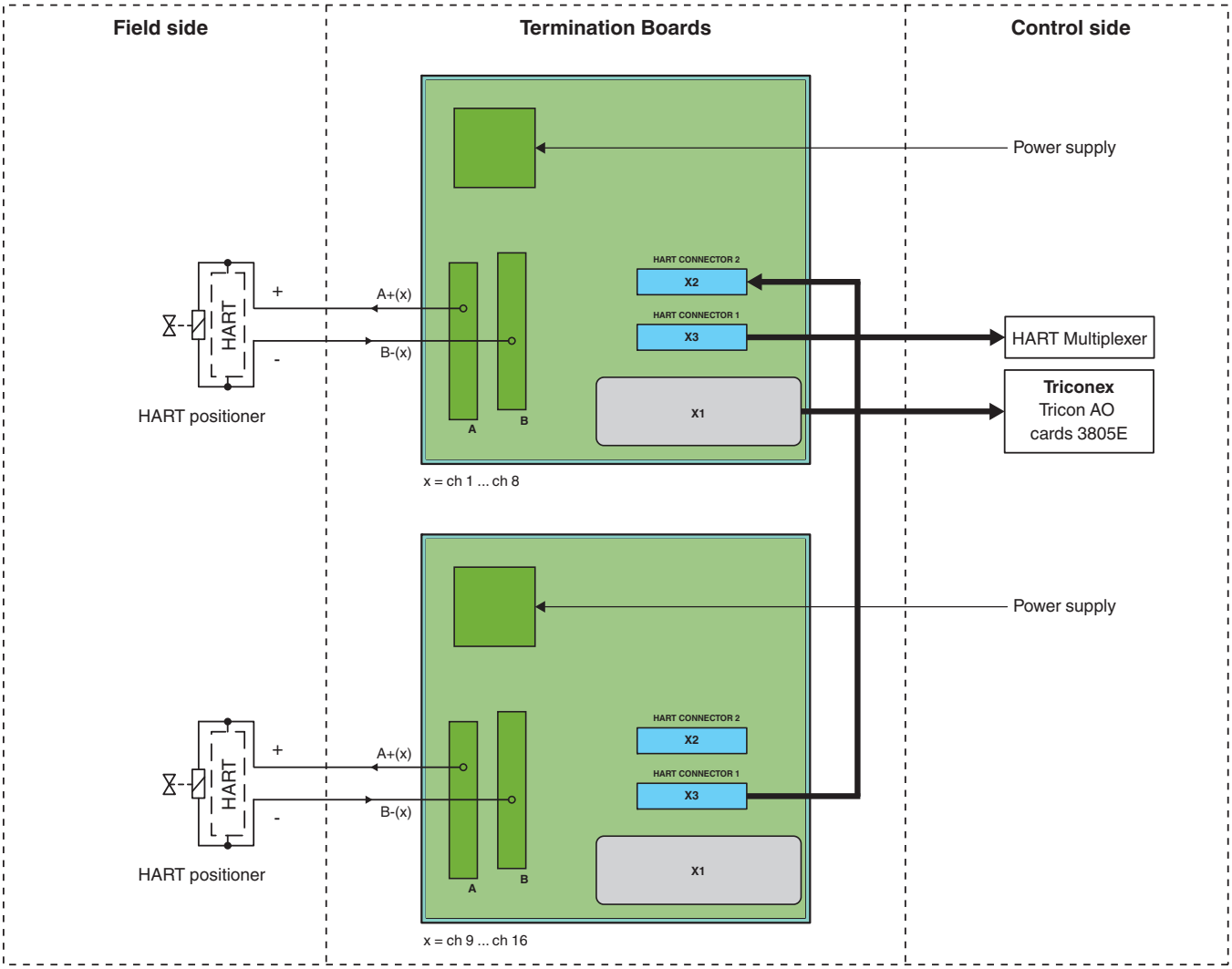
Release date: 2026-04-08 Date of issue: 2026-04-08 Filename: 242606_eng.pdf

Application

Typical loop with 8 channels



Typical loop with 16 channels



Release date: 2026-04-08 Date of issue: 2026-04-08 Filename: 242606_eng.pdf