

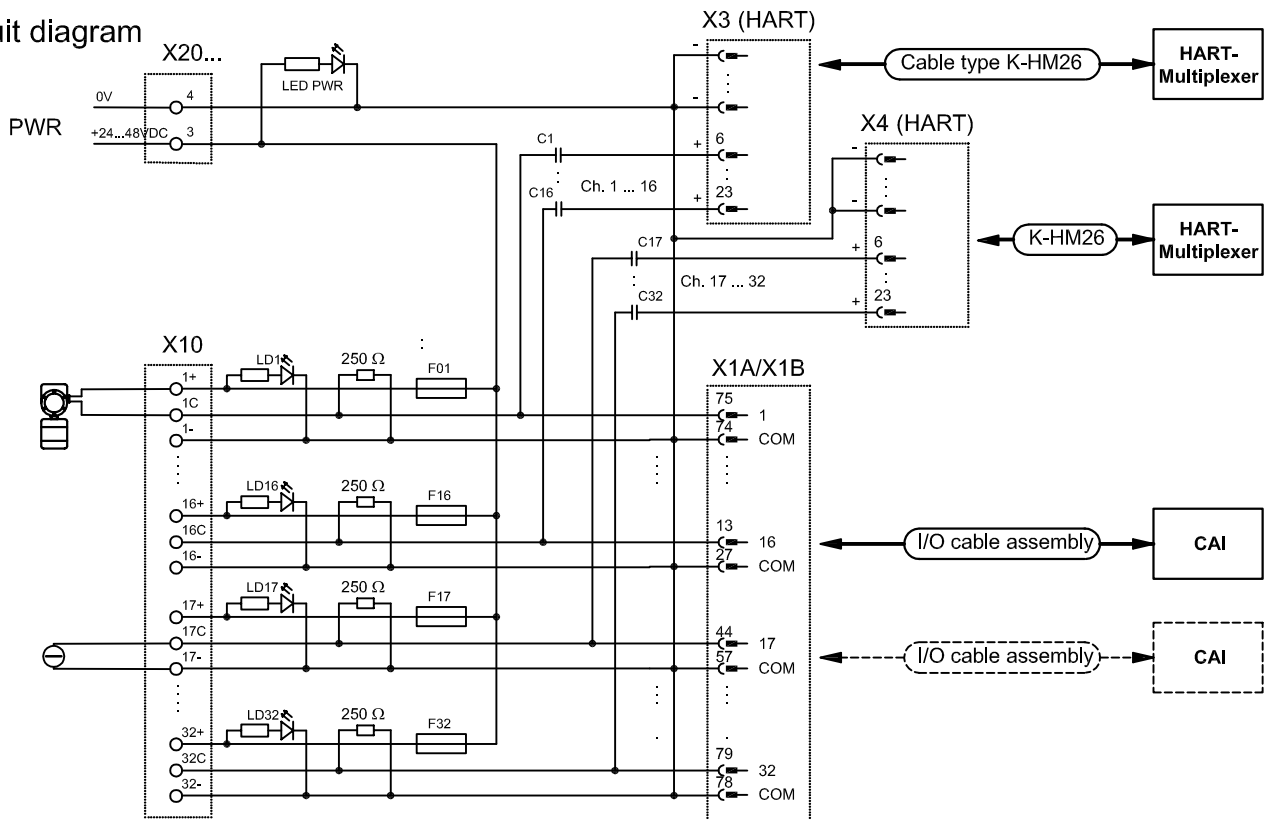
X3 and X4 are protected by a Dummy connector!

Technical Description	Connector	Signal
Field termination: X10	Screw terminal 2.5 mm ²	AI 4 ... 20 mA
System connector: X1A, X1B	104 pin female	AI 1 ... 5 V
Connector HART-Mux: X3, X4	26 pin HART connector	HART-communication
Power feed : X20	2 pin screw terminal (removable) 2.5 mm ²	24 ... 48 VDC/8 A

Function:

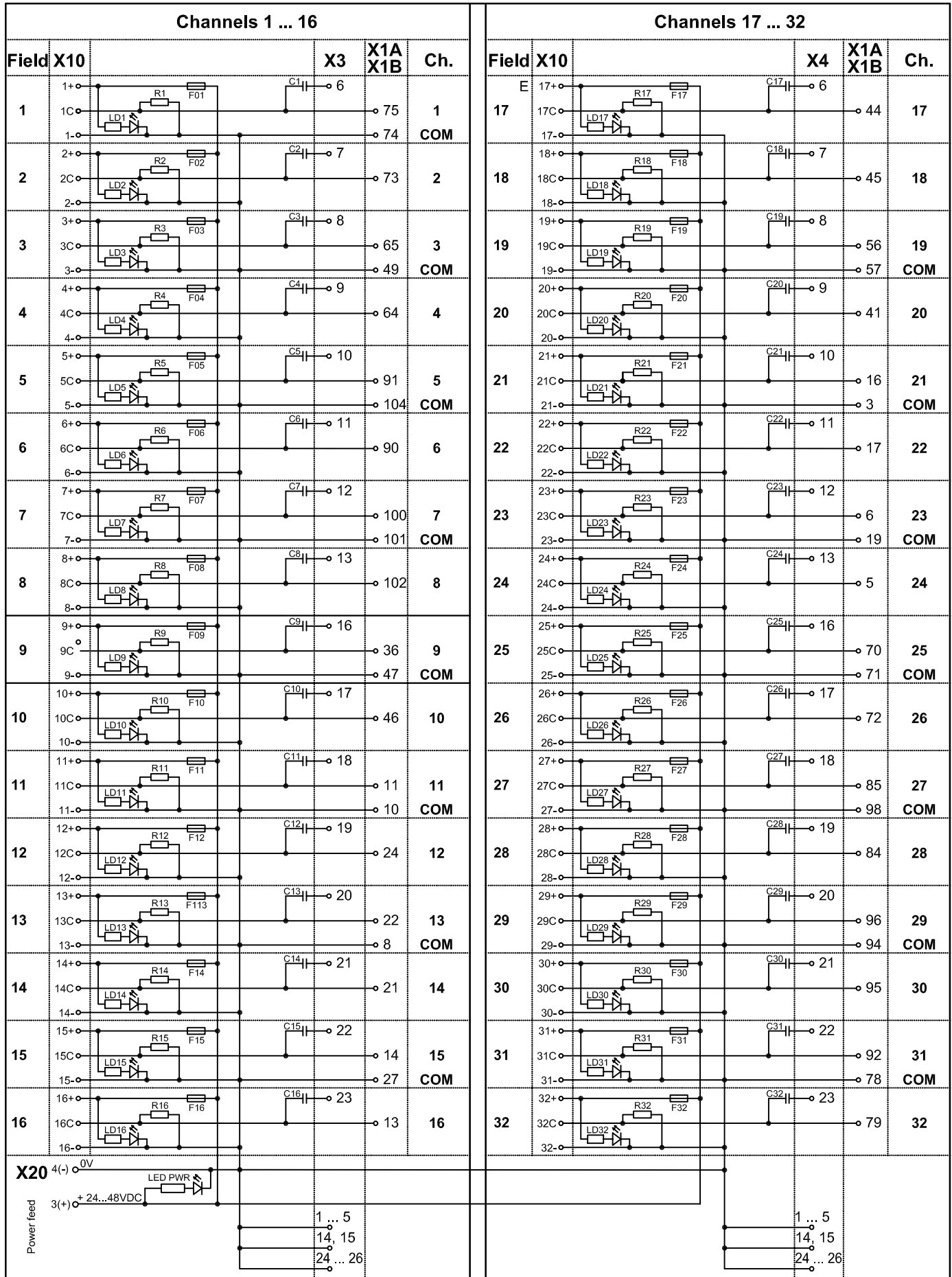
Termination-Board to connect to the Yokogawa Prosafe-PLC card Type CAI. The TB System connector X1A/B links to the PLC I/O card via a standard cable supplied by Yokogawa. Two system connectors in parallel allow for redundant applications. The connections to/from the field (X10.xx) are screw terminals. A HART-connector X3/X4, in parallel with the system connector, links 32 AI channels to the Pepper+Fuchs HART multiplexer via a ribbon cable type K-HM26. Each channel is decoupled with a capacitor from the systemconnector. The unit has a 24...48 V DC power supply feed, monitored by LED "PWR". Following field devices are supported for inputs: 2-, 3-wire transmitters and active current sources. Current (4 mA ... 20 mA) from field devices is converted via 250 Ohm precision resistors to 1 V ... 5 V. (See circuit diagram). The board is designed to be mounted vertically on DIN-Rail (DIN EN5022).

Circuit diagram



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PEPPERL+FUCHS Mannheim-Schönau	FI-Module Non IS termination board 32 AI channels + HART TB-AI32-MO-CAI-H-127712	21.09.03	BK	Sb	Sb	
		Date	S TZ	Off. in ch.	contr. techn.	contr. Norm
		Dept.: PA-PG-IF	No.36-9263B			
		Up date: HB 02.11.10	Replaces: XXXXX / 36-XXXX			Sheet 1
		Scale: 1 : 2.5			of 2	



R1... R32: 250 Ohm, 0,5W, 0,1%
C1... C32: 4,7µF, 50V (PN.: 67122)

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Up date: 02.11.10		Replaces:	
		Scale: -:- of 2	



FI-Module
Non IS termination board
32 AI channels + HART
TB-AI32-MO-CAI-H-127712