

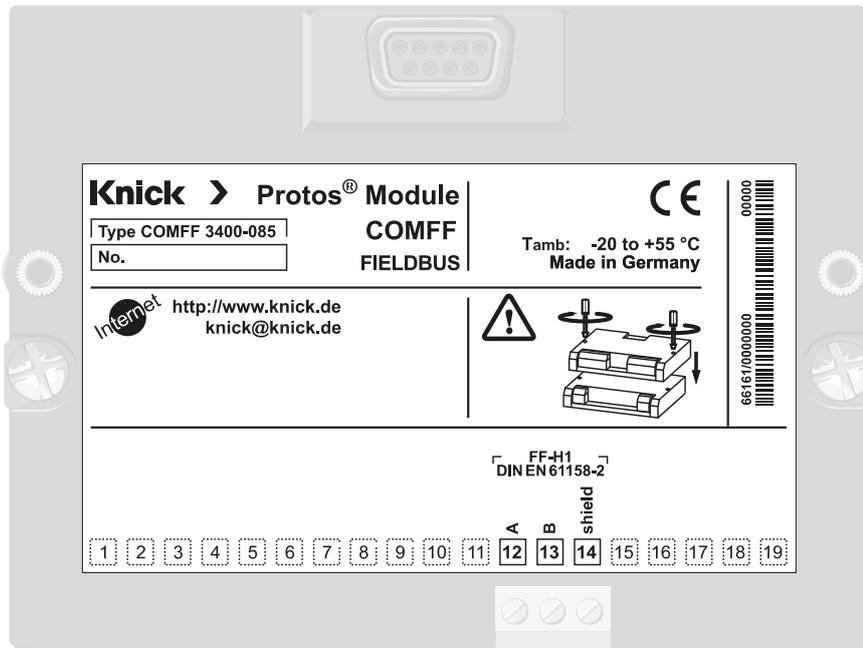
COMFF 3400(X)-085 Module Specifications

FOUNDATION fieldbus	COMFF 3400X-085:	Digital communication in hazardous areas via current modulation (Ex ia IIC)		
	Physical interface	According to IEC 61158-2		
	Transfer rate	31.25 kbit/s		
	Communication protocol	FF-816		
	Profile	FF_H1 (Foundation Fieldbus)		
	Bus address	Visible on the device, cannot be set		
	Supply voltage (FISCO)	Bus supply: 9 ... 17.5 V Linear barrier: 9 ... 24 V		
	Current consumption	< 12 mA		
	Max. current in case of fault (FDE)	< 17 mA		
	FF communication model	Certified according to ITK 4.6		
		1 physical block	Device description	
5 transducer blocks		Connection to measured value processing		
8 AI function blocks		Output of measured values with status via fieldbus		
1 AO function block		For analog compensation signals (e.g., O ₂ process pressure)		
4 DI function blocks		Output of messages and status via fieldbus		
4 DO function blocks		Control via fieldbus		
Explosion protection	See Ex Certificates and EU Declaration of Conformity or www.knick.de			
RoHS conformity	According to EU directive 2011/65/EU			
EMC	NAMUR NE 21 and EN 61326-1, EN 61326-2-3			
	Emitted interference	Industrial applications ¹⁾ (EN 55011 Group 1 Class A)		
	Immunity to interference	Industrial applications		
Lightning protection	according to EN 61000-4-5 Installation class 2			
Rated operating conditions	Ambient temperature:	Safe area:	-20 ... 55 °C / -4 ... 131 °F	
		Ex:	-20 ... 50 °C / -4 ... 122 °F	
	Relative humidity:	5 ... 95 %		
	Climatic class:	3K5 according to EN 60721-3-3		
	Location class:	C1 according to EN 60654-1		
	Transport / storage temperature	-20 ... 70 °C / -4 ... 158 °F		
Housing	Module enclosure	PC/ABS blend		
	Color	Black		
	Degree of protection	IP 20		
	Dimensions (mm)	W x L x H 118 x 91 x 21		
	Terminals	Screw clamp connector, single and stranded wires up to 2.5 mm ²		

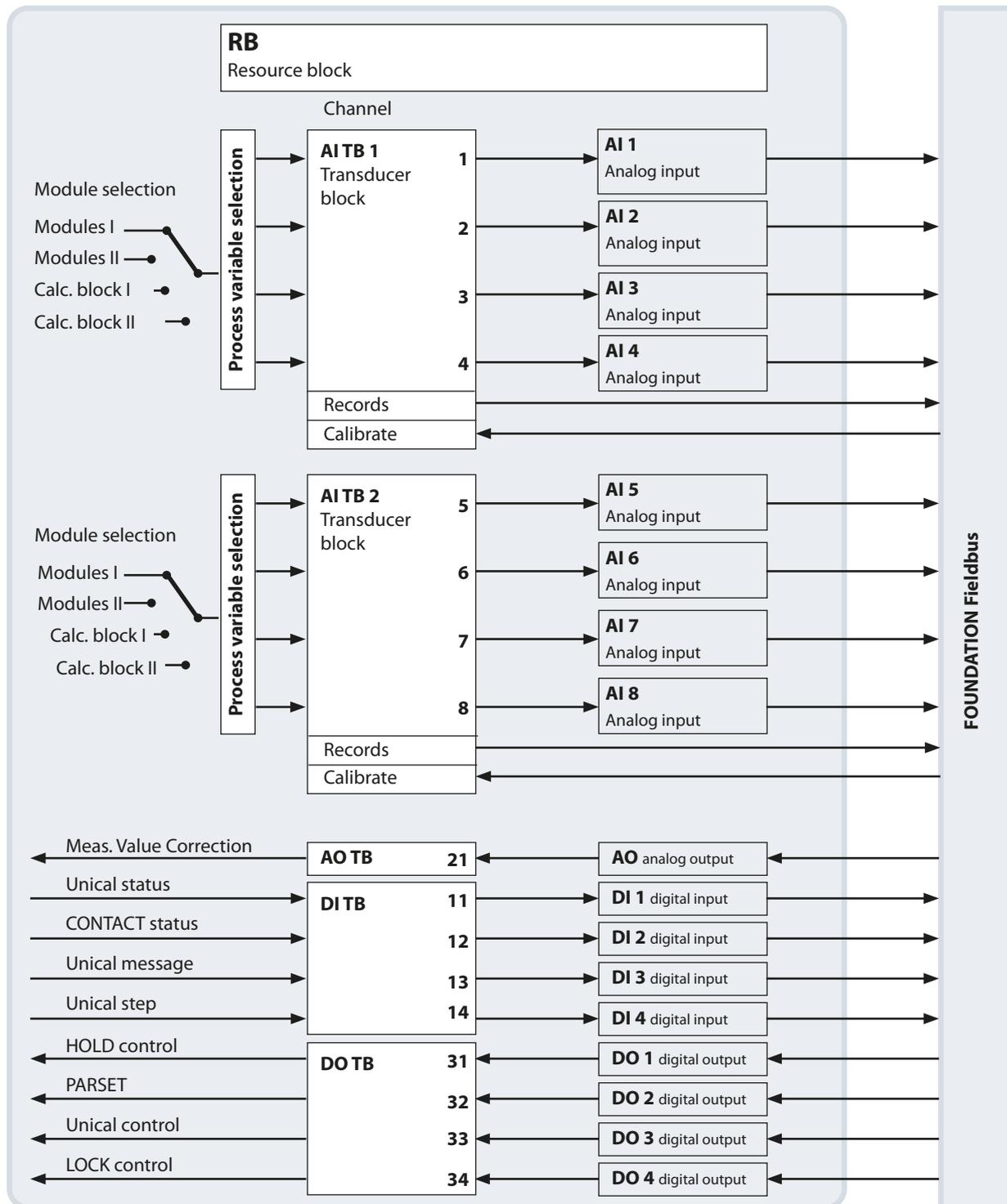
¹⁾ This equipment is not designed for domestic use, and is unable to guarantee adequate protection of the radio reception in such environments.

Protos 3400 (X) / Protos II 4400 (X)

COMFF 3400(X)-085 Module Terminal Assignments



Communication Model



Protos 3400 (X)