

4-Channel Analog Input Module 0/4-20 mA

Single-ended (S.E.)

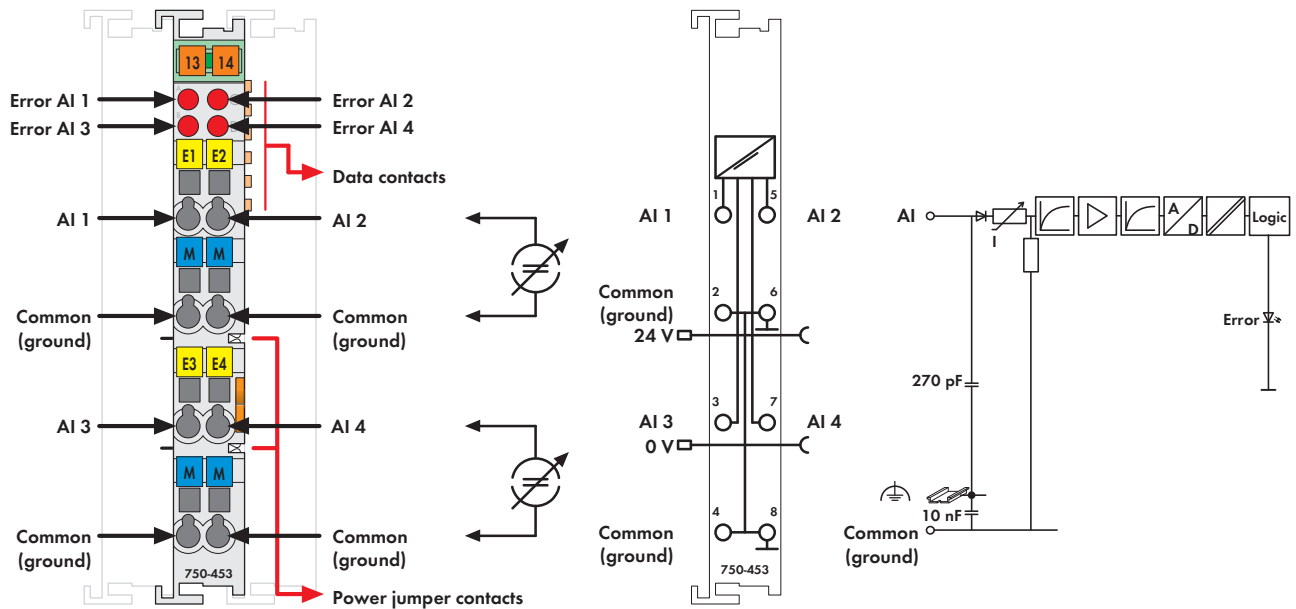



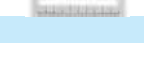






Fig. 750 Series/Technical data see page 24/Delivered without miniature WSB markers
750/753 Series marking see pages 10 ... 11 / 12 ... 13

- The analog input module processes signals of a standard magnitude 0-20mA.
- The input signal is electrically isolated and is transmitted with a resolution of 12 bits.
- The internal system supply powers the module.
- The input channels of the module have one common ground potential.

Description	Item No.	Pack. Unit
4AI 0-20mA S.E.	750-453	10 ¹¹
4AI 4-20mA S.E.	750-455	10 ¹¹
4AI 4-20mA S.E./T	750-455/025-000	1
(Operating temperature -20 °C ... +60 °C)		
4AI 0-20mA S.E. (without connector)	753-453	10 ¹¹
4AI 4-20mA S.E. (without connector)	753-455	10 ¹¹
11) Also available individually		
Accessories	Item No.	Pack. Unit
 753 Series Connectors	753-110	25
 Coding elements	753-150	100
Miniature WSB Quick marking system		
 plain	248-501	5
 with marking	see pages 352 ... 353	
Approvals	Also see "Approvals Overview" in Section 1	
Conformity marking	CE	
Shipbuilding (versions upon request)	ABS, BV, DNV, GL, KR, LR*, NKK*, PRS*, RINA* *753 Series, pending	
 UL 508		
 ANSI/ISA 12.12.01	Class I, Div. 2, Grp. ABCD, T4	75x-453, -455
 EN 60079-0, -15	I M2 / II 3 GD Ex nA IIC T4	75x-453, -455
 EN 61241-0, -1		

Technical Data	
Number of inputs	4
Power supply	via system voltage DC/DC
Current consumption (internal)	65 mA
Input voltage (max.)	32V
Signal current	0 - 20mA (750-453, 753-453) 4 - 20mA (750-455, 753-455)
Input resistance	< 100Ω / 20mA
Resolution	12 bits
Conversion time (typ.)	10 ms
Measuring error (25 °C)	< ± 0.2 % of the full scale value
Temperature coefficient	< ± 0.01 % / K of the full scale value
Isolation	500 V system/supply
Bit width	4 x 16 bits data 4 x 8 bits control/status (optional)
Wire connection	CAGE CLAMP®
Cross sections	0.08 mm² ... 2.5 mm² / AWG 28 ... 14
Stripped lengths, 750/753 Series	8 ... 9 mm / 0.33 in 9 ... 10 mm / 0.37 in
Width	12 mm
Weight	51 g
EMC: CE - immunity to interference	acc. to EN 61000-6-2 (2005)
EMC: CE - emission of interference	acc. to EN 61000-6-4 (2007)
EMC: marine applications	
- immunity to interference	acc. to Germanischer Lloyd (2003)
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