4-Channel Analog Input Module ±10 V/0-10 V

Single-ended (S.E.)

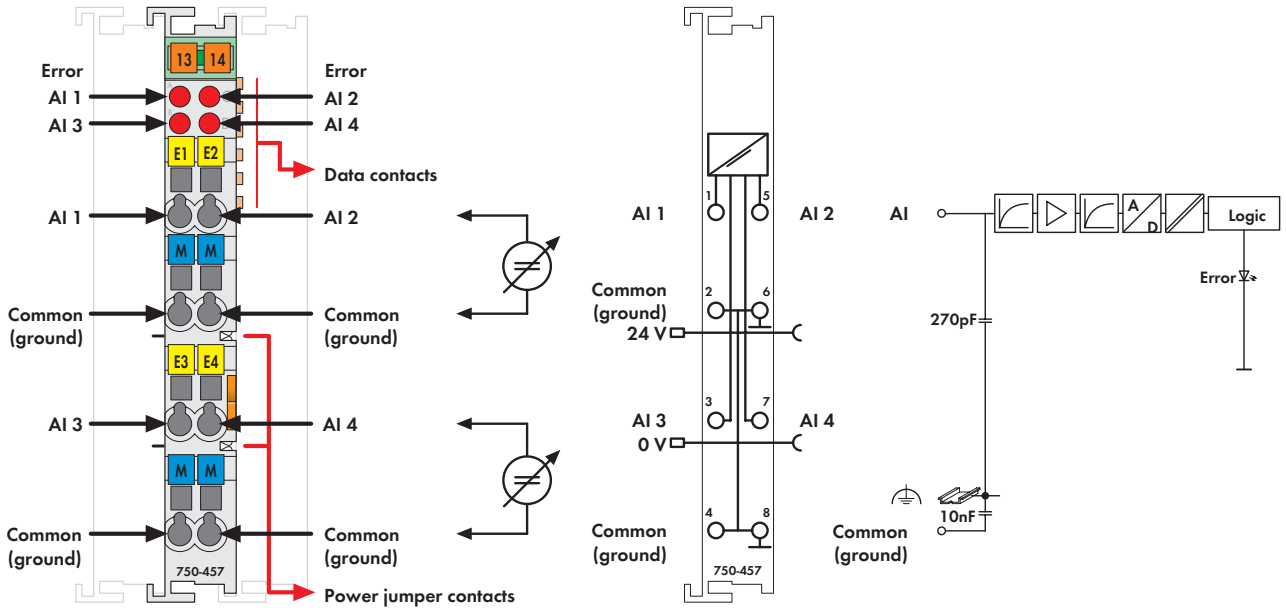

Fig. 750 Series/Technical data see page 24/Delivered without miniature WSB markers
750/753 Series marking see pages 12 ... 13 / 14 ... 15

The analog input module receives signals with the standardized values ±10V and 0-10V.

The input signal is electrically isolated and will be transmitted with a resolution of 12 bits.

The internal system supply is used for the power supply of the module.

The input channels of a module have one common ground potential.

Description	Item No.	Pack. Unit
4AI ±10V DC S.E.	**750-457**	10[1]
4AI ±10V DC S.E./T	**750-457/025-000**	1
(Operating temperature -20 °C ... +60 °C)		
4AI 0-10V DC S.E.	**750-459**	10[1]
4AI ±10V DC S.E. (without connector)	**753-457**	10[1]
4AI 0-10V DC S.E. (without connector)	**753-459**	10[1]

[1] 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 304 ... 305	

Approvals

750 and 753 Series	
Conformity marking	CE
UL 508	
ANSI/ISA 12.12.01	Class I, Div. 2, Grp. ABCD, T4
750 Series	
EN 60079-15	I M2 / II 3 GD Ex nA IIC T4
Shipbuilding	see "Approvals Overview" in section 1

Technical Data

Number of inputs	4
Voltage supply	via system voltage DC/DC
Current consumption (internal)	65 mA
Input voltage (max.)	± 40 V
Signal voltage	± 10 V (750-457, 753-457)
	0 V ... 10 V (750-459, 753-459)
Input resistance	> 100 kΩ
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)
EMC marine applications - Emission of interference	acc. to Germanischer Lloyd (2003)