

# 4-Channel Analog Output Module 0/4-20 mA

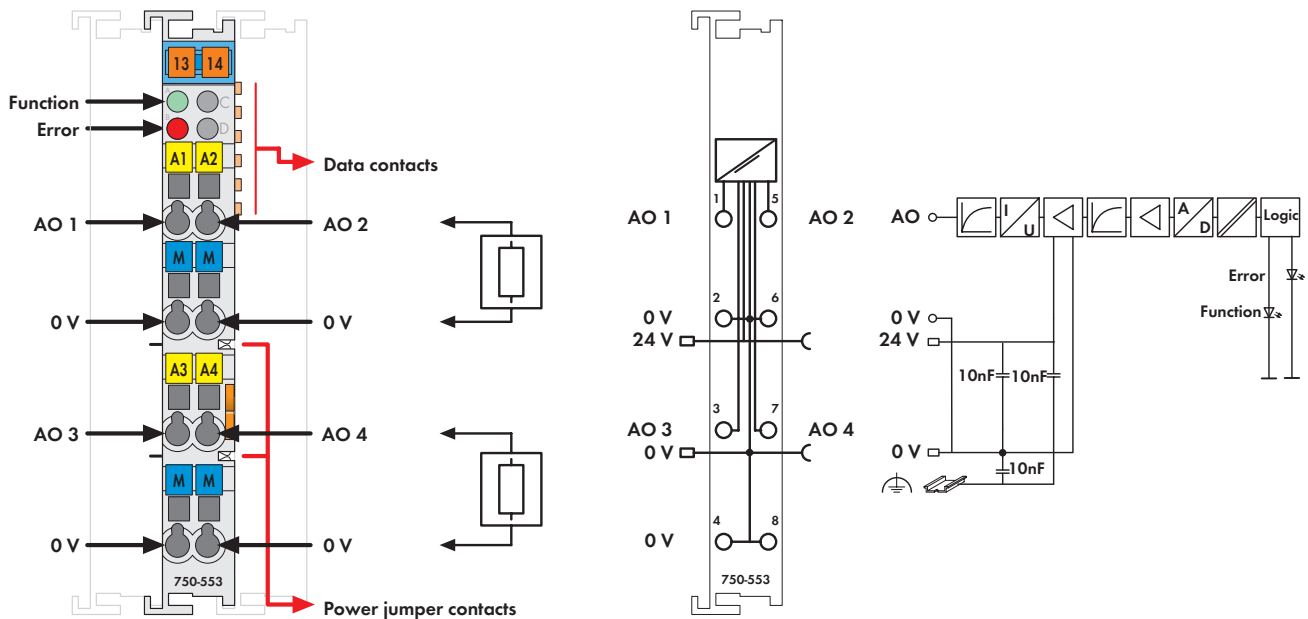





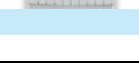



Fig. 750 Series/Technical data see page 24/Delivered without miniature WSB markers  
750/753 Series marking see pages 12 ... 13 / 14 ... 15

The analog output module creates a standardized signal of 0-20mA or 4-20mA.

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

“Current” analog output modules use power derived from the field side (loop powered).

The output channels have one common ground potential.

Description	Item No.	Pack. Unit
4AO 0-20mA	750-553	1
4AO 4-20mA	750-555	1
4AO 0-20mA (without connector)	753-553	1
4AO 4-20mA (without connector)	753-555	1
<b>Accessories</b>		
 753 Series Connectors	753-110	25
 Coding elements	753-150	100
<b>Miniature WSB Quick marking system</b>		
 plain	248-501	5
 with marking	see pages 304 ... 305	
<b>Approvals</b>		
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	
No. of outputs	4
Current consumption typ. (internal)	60 mA
Voltage supply	via system voltage DC/DC
Signal current	0 mA ... 20 mA (750-553, 753-553) 4 mA ... 20 mA (750-555, 753-555)
Load impedance	either 0 ... 300 Ω or 300 ... 600 Ω (use same range of impedance for all loads!)
Resolution	12 bits
Conversion time (typ.)	10 ms
Recovery time (typ.)	100 ms
Measuring error (25°C)	< ± 0.1 % 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 (option)
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	12mm
Weight	53.5 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)