

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

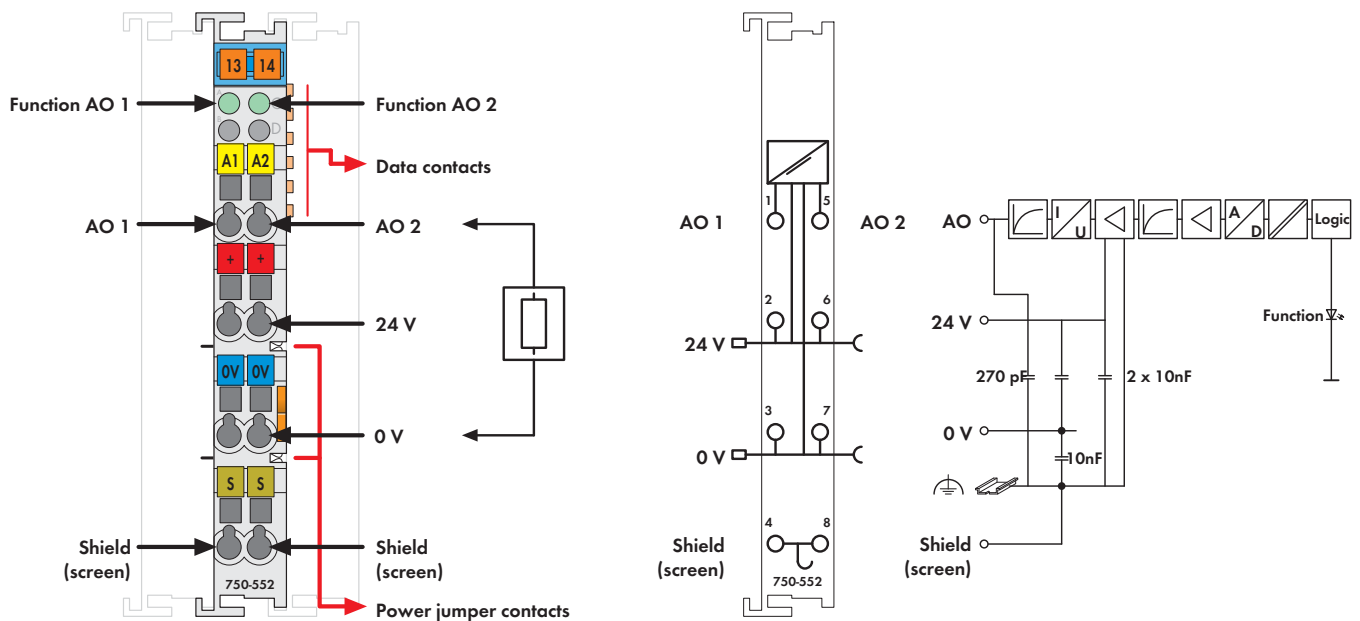


Fig. Series 750 / Technical data see page 28 / Delivery without Mini WSB marker
Series 750 / 753 marking see pages 16 ... 17 / 18 ... 19

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

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).

Description	Item no.	Pack. unit
2AO 0-20mA	750-552	10 ¹⁾
2AO 4-20mA	750-554	10 ¹⁾
2AO 0-20mA/S5 ²⁾	750-552/000-200	1
2AO 0-20mA/T	750-552/025-000	1
(Operating temperature -20 °C ... +60 °C)		
2AO 4-20mA/S5 ²⁾	750-554/000-200	1
2AO 0-20mA (without connector)	753-552	10 ¹⁾
2AO 4-20mA (without connector)	753-554	10 ¹⁾
¹⁾ Also available individually		
²⁾ Data format for S5 control with FB 251		
Accessories	Item no.	Pack. unit
 753 Series connector	753-110	25
 Coding elements	753-150	100
 Miniature WSB quick marking system,		
plain	248-501	5
with marking	see pages 256 ... 257	
Approvals		
Series 750 and 753		
Conformity marking	CE	
UL 508		
ANSI/ISA 12.12.01	Class I, Div. 2, Grp. ABCD, T4	
Series 750		
EN 60079-15	I M2 / II 3 GD Ex nA IIC T4	
Marine applications	see "Approvals Overview" in section 1	

Technical Data	
No. of outputs	2
Current consumption typ. (internal)	70 mA
Voltage via power jumper contacts	DC 24 V (-25 % ... +30 %)
Signal current	0 mA ... 20 mA (750-552, 753-552)
	4 mA ... 20 mA (750-554, 753-554)
Load impedance	< 600 Ω
Linearity	± 10 µA
Resolution	12 bits
Conversion time	ca. 2 ms
Measuring error (25 °C)	< ± 0.1 % of the full scale value
Temperature coefficient	< ± 0.01 % /K of the full scale value
	(750-552, 753-552)
	< ± 0.015 % /K of the full scale value
	(750-554, 753-554)
Isolation	500 V system/supply
Bit width	2 x 16 bits data
	2 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	12 mm
Weight	53.5 g
EMC CE-Immunity to interference	acc. to EN 50082-2 (1996)
EMC CE-Emission of interference	acc. to EN 50081-1 (1993)
EMC marine applications -	
Immunity to interference	acc. to Germanischer Lloyd (2003)
EMC marine applications -	
Emission of interference	acc. to Germanischer Lloyd (2003)