

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

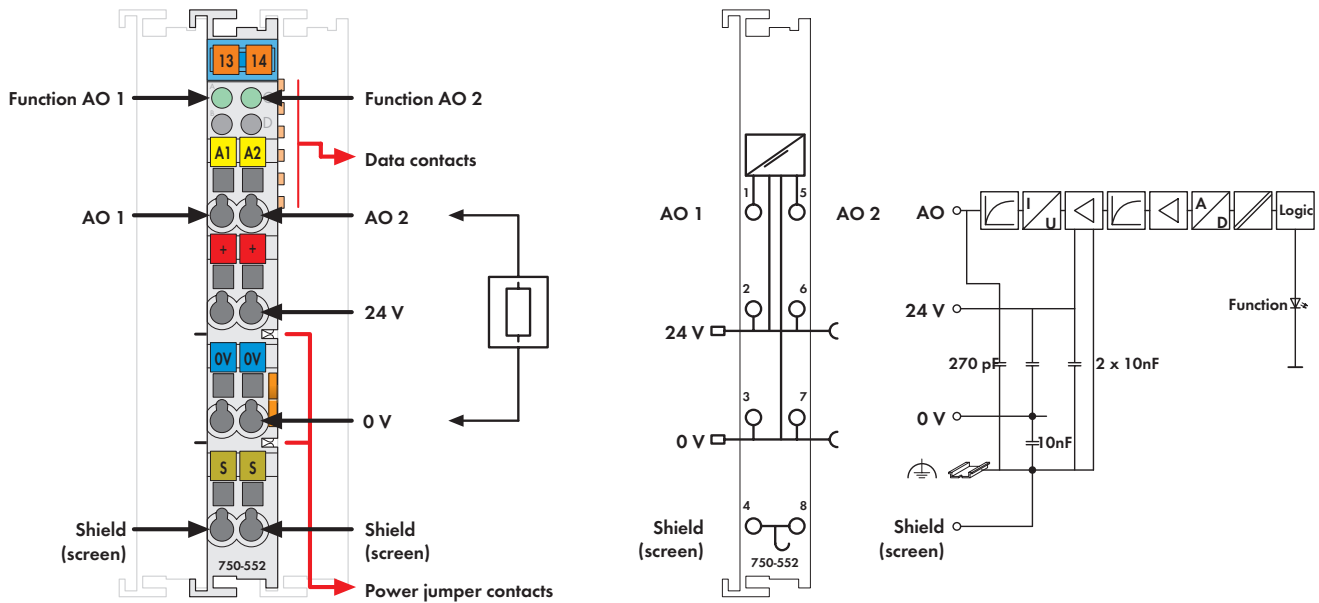


Fig. 750 Series/Technical data see page 24/Delivered without miniature WSB markers  
750/753 Series marking see pages 10 ... 11 / 12 ... 13

The analog output module generates signals of a standard magnitude 0-20mA.

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

Power is derived from the field side.

Description	Item No.	Pack. Unit
2AO 0-20mA	750-552	10 <sup>1)</sup>
2AO 0-20mA/S5 <sup>2)</sup>	750-552/000-200	1
2AO 0-20mA/T	750-552/025-000	1
(Operating temperature -20 °C ... +60 °C)		
2AO 4-20mA	750-554	10 <sup>1)</sup>
2AO 4-20mA/S5 <sup>2)</sup>	750-554/000-200	1
2AO 4-20mA/T	750-554/025-000	
(Operating temperature -20 °C ... +60 °C)		
2AO 0-20mA (without connector)	753-552	10 <sup>1)</sup>
2AO 4-20mA (without connector)	753-554	10 <sup>1)</sup>
<sup>1)</sup> Also available individually		
<sup>2)</sup> Data format for S5 control with FB 251		
<b>Approvals</b>		Also see "Approvals Overview" in Section 1
Conformity marking	CE	
Shipbuilding (versions upon request)	ABS, BV, DNV, GL, KR, LR*, NKK*, PRS*, RINA*	
UL 508	*753 Series, pending	
ANSI/ISA 12.12.01	Class I, Div. 2, Grp. ABCD, T4	75x-552, -554 750-55x/000-200
EN 60079-0, -15	I M2 / II 3 GD Ex nA IIC T4	75x-552, 753-554
EN 61241-0, -1		750-55x/000-200
EN 60079-0, -11, -15	I M2 Ex d I	750-554*
EN 61241-0, -1, -11	II 3 G Ex nA IIC T4	750-554*
	II 3 D Ex tD A22 IP6X T135°C	750-554*
	* Permissible operating temperature: 0°C ... +60°C	

Technical Data	
No. of outputs	2
Current consumption typ. (internal)	70 mA
Voltage via power jumper contacts	24 V DC (-25 % ... +30 %)
Signal current	0 - 20mA (750-552, 753-552) 4 - 20mA (750-554, 753-554)
Load impedance	< 600 Ω
Linearity	± 10 µA
Resolution	12 bits
Conversion time	approx. 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 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> / 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 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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- emission of interference	acc. to Germanischer Lloyd (2003)
<b>Accessories</b>	<b>753 Series Connectors, Coding elements, Miniature WSB Quick marking system</b>