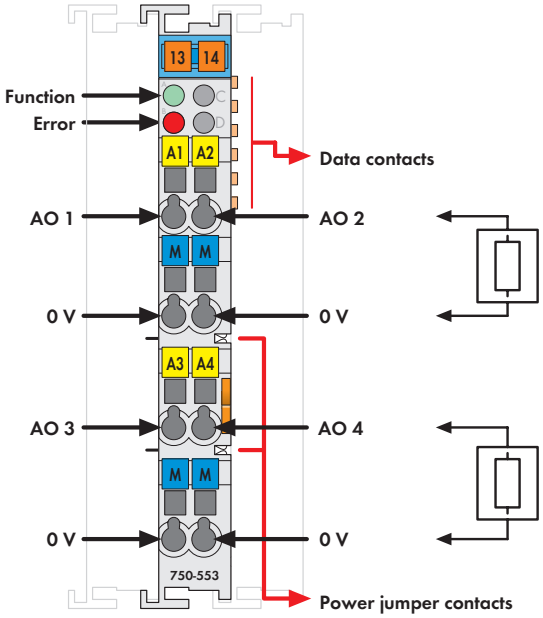
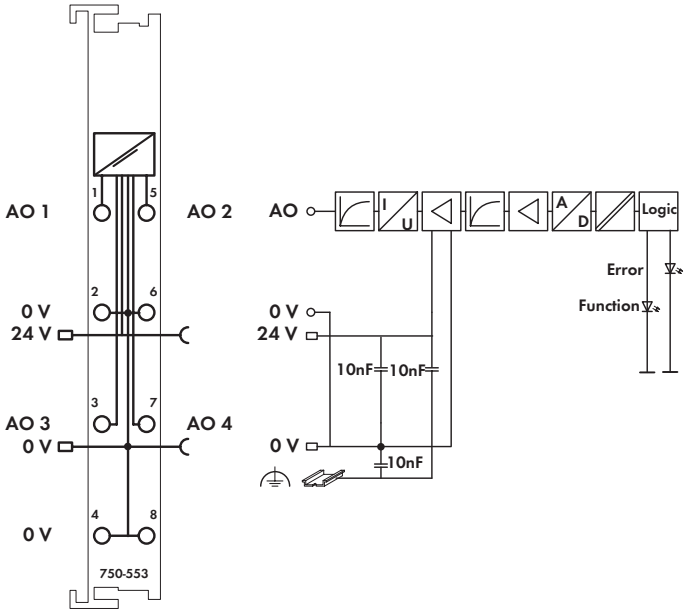
4-Channel Analog Output Module 0/4-20 mA





Delivered without miniature WSB markers

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

Accessories		Item No.	Pack. Unit
Miniature WSB Quick marking system			
	plain	**248-501**	5
	with marking	see pages 304 ... 305	

Approvals

750 Series	
Conformity marking	CE
UL 508	
ANSI/ISA 12.12.01	Class I, Div. 2, Grp. ABCD, T4
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)
	4 mA ... 20 mA (750-555)
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	8 ... 9 mm / 0.33 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)
EMC marine applications - Emission of interference	acc. to Germanischer Lloyd (2003)