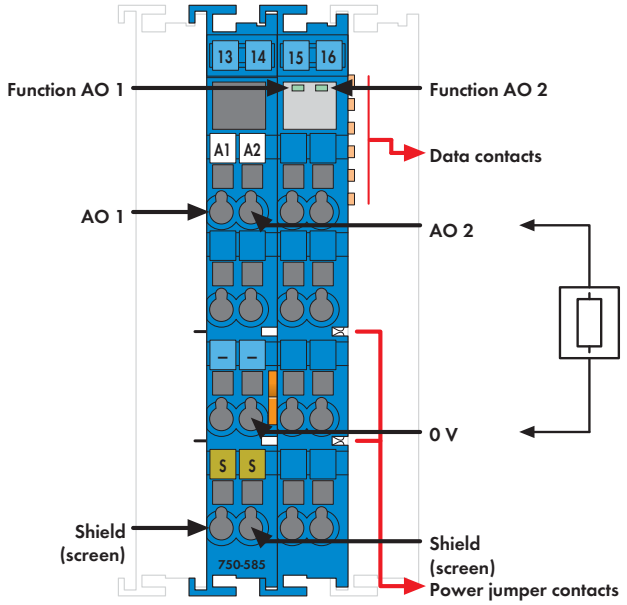
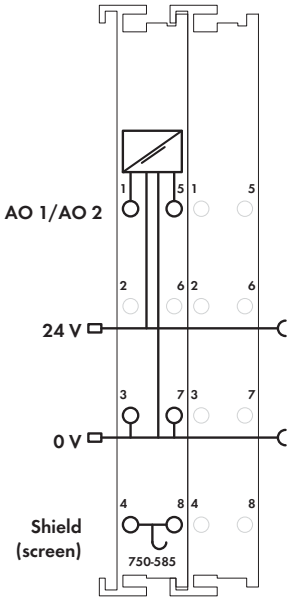
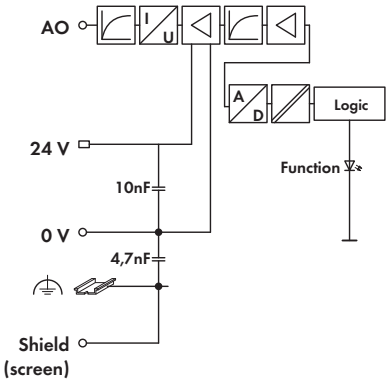
750-585

2-Channel Analog Output Module 0-20 mA, Ex i







Delivery without Mini WSB marker

The analog output module creates intrinsically safe 0-20 mA signals in the hazardous area of Zone 1.
The WAGO-I/O-SYSTEM 750 has to be installed in Zone 2 or in non-hazardous environments.
"Current" analog output modules use power derived from the power jumper contacts.

Outputs are short-circuit-protected.

Indicators:
- Green LED (output status)

Each output is electrically isolated from the bus by use of optocouplers.

Note:

Only use the analog output module in connection with the 24 V DC Ex i 750-625 Supply Module (note the power supply instructions on page 27)!
General information (e.g. installation regulations) on explosion protection is available in the WAGO-I/O-SYSTEM 750 manuals!

Description	Item no.	Pack. unit
2AO 0-20mA Ex i	**750-585**	1

Accessories		Item no.	Pack. unit
Miniature WSB quick marking system,			
	plain	**248-501**	5
	with marking	see pages 256 ... 257	

Explosion Protection

Ex directive	94 / 9 / EG; EN 50014, EN 50020, EN 60079-0, EN 60079-15
Marking	Ⓔx II 3 (2) GD Ex nA [ib] IIC / IIB T4
Electric circuit, safety relevant data	V_0 = 27.3 V ; I_0 = 57.5 mA; P_0 = 392 mW; Characteristic: Linear
Intrinsically safe Ex ib IIB	L_0 = 56 mH; C_0 = 680 nF
Intrinsically safe Ex ib IIC	L_0 = 11 mH; C_0 = 88 nF
Intrinsically safe	without consideration of the simultaneousness; with consideration of the simultaneousness see manual

Standards, Guidelines and Approvals

EC EMC guideline	89 / 336 / EWG
EC low voltage guideline	73 / 23 / EWG
Ⓔx EN 50020	Ⓔx II 3 (2) GD Ex nA [ib] IIC / IIB T4
Conformity marking	CE
cULus UL 508	
Ⓔx cULus ANSI/ISA 12.12.01	Class I, Div. 2, Grp. ABCD, T4
Ⓔx 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 max. (internal)	21 mA
Voltage via power jumper contacts	Supply via DC 24.7 V Ex i supply module (750-625)
Signal current	0 ... 20 mA
Load impedance	< 500 Ω
Linearity	± 2 LSB
Resolution	12 bits
Conversion time	< 2 ms
Measuring error (25 °C)	< ± 0.2 % of the full scale value
Temperature coefficient	< ± 0.01 % / K of the full scale value
Current consumption typ. (field side)	19 mA / module + load (2 x 20 mA)
Power consumption P (max.)	1.5 W
Power loss Pv	0.9 W
Isolation	375 V system/supply
Bit width	2 x 16 bits data
Wire connection	CAGE CLAMP®
Cross sections	0.08 mm² ... 2.5 mm² / AWG 28 ... 14
Stripped lengths	8 ... 9 mm / 0.33 in
Width	24 mm
Weight	48.5 g
EMC CE-Immunity to interference	acc. to EN 61000-6-2 (1999)
EMC CE-Emission of interference	acc. to EN 61000-6-4 (2002)
EMC marine applications - Immunity to interference	acc. to Germanischer Lloyd (2003)
EMC marine applications - Emission of interference	acc. to Germanischer Lloyd (2003)

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