

2-Channel Analog Output Module 0-10 V/±10V

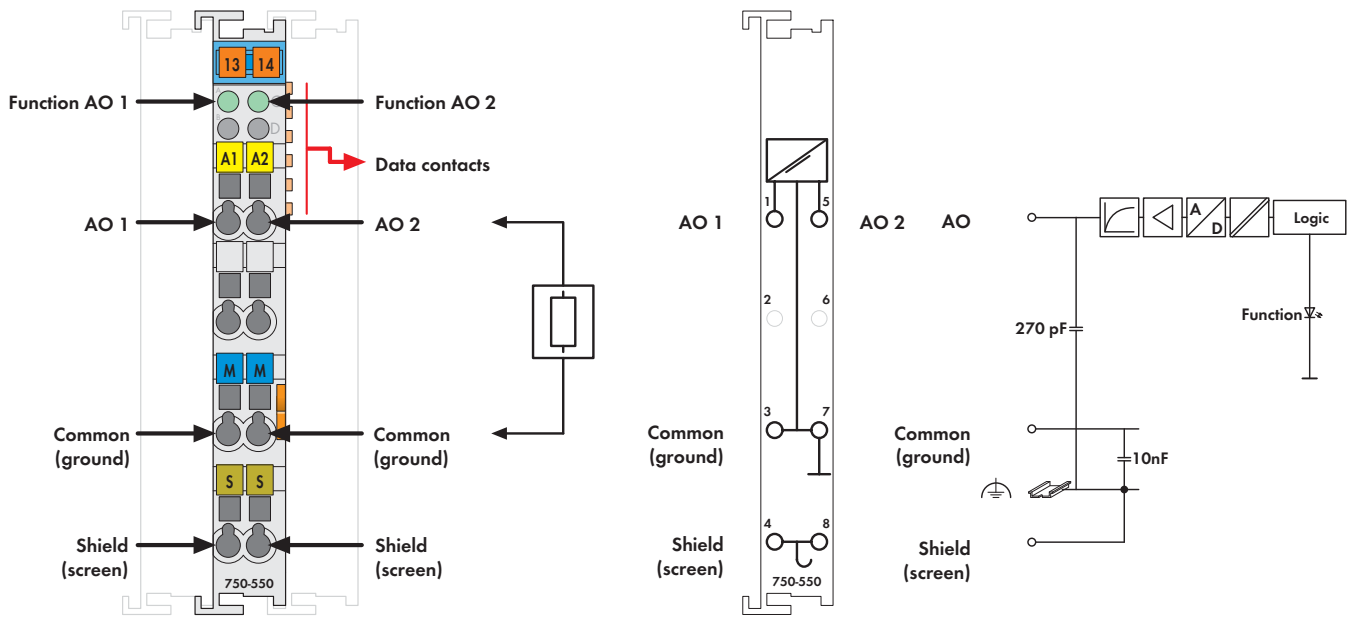


Fig. 750 Series/Technical data see page 24/Delivered without miniature WSB markers
750/753 Series marking see pages 12 ... 13 / 14 ... 15

The analog output module creates a standardized signal of 0-10V or ±10V.

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

Outputs are short circuit protected.

The internal system supply is used for the power supply of the module.

The output channels have one common ground potential.

| Description | Item No. | Pack. Unit |
|--|---|------------------|
| 2AO 0-10V DC | 750-550 | 10 ¹⁾ |
| 2AO ± 10V DC | 750-556 | 10 ¹⁾ |
| 2AO 0-10V DC/S5 ²⁾ | 750-550/000-200 | 1 |
| 2AO ±10V DC/S5 ²⁾ | 750-556/000-200 | 1 |
| 2AO 0-10V DC (without connector) | 753-550 | 10 ¹⁾ |
| 2AO ±10V DC (without connector) | 753-556 | 10 ¹⁾ |
| ¹⁾ Also available individually | | |
| ²⁾ Data format for S5 control with FB 251 | | |
| Accessories | Item No. | Pack. Unit |
| 753 Series Connectors | 753-110 | 25 |
| Coding elements | 753-150 | 100 |
| Miniature WSB Quick marking system | | |
| plain | 248-501 | 5 |
| with marking | see pages 304 ... 305 | |
| Approvals | | |
| 750 and 753 Series | | |
| Conformity marking | CE | |
| UL 508 | | |
| ANSI/ISA 12.12.01 | Class I, Div. 2, Grp. ABCD, T4 | |
| 750 Series | (Approvals for product variations upon request) | |
| EN 60079-15 | I M2 / II 3 GD Ex nA IIC T4 | |
| Shipbuilding | see "Approvals Overview" in section 1 | |

| Technical Data | |
|--|--|
| No. of outputs | 2 |
| Current consumption (internal) | 65 mA |
| Voltage supply | via system voltage DC/DC |
| Signal voltage | 0 V ... 10 V (750-550, 753-550) ±10 V (750-556, 753-556) |
| Load impedance | > 5 kΩ |
| Linearity | ±10 mV |
| Resolution | 12 bits |
| Conversion time | approx. 2 ms |
| Recovery time (typ.) | 300 μs |
| 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 | 2 x 16 bits data 2 x 8 bits control/status (option) |
| Wire connection | CAGE CLAMP® |
| Cross sections | 0.08 mm ² ... 2.5 mm ² / AWG 28 ... 14 |
| Stripped lengths, 750/753 Series | 8 ... 9 mm / 0.33 in 9 ... 10 mm / 0.37 in |
| Width | 12 mm |
| Weight | 50.5 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) |