

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

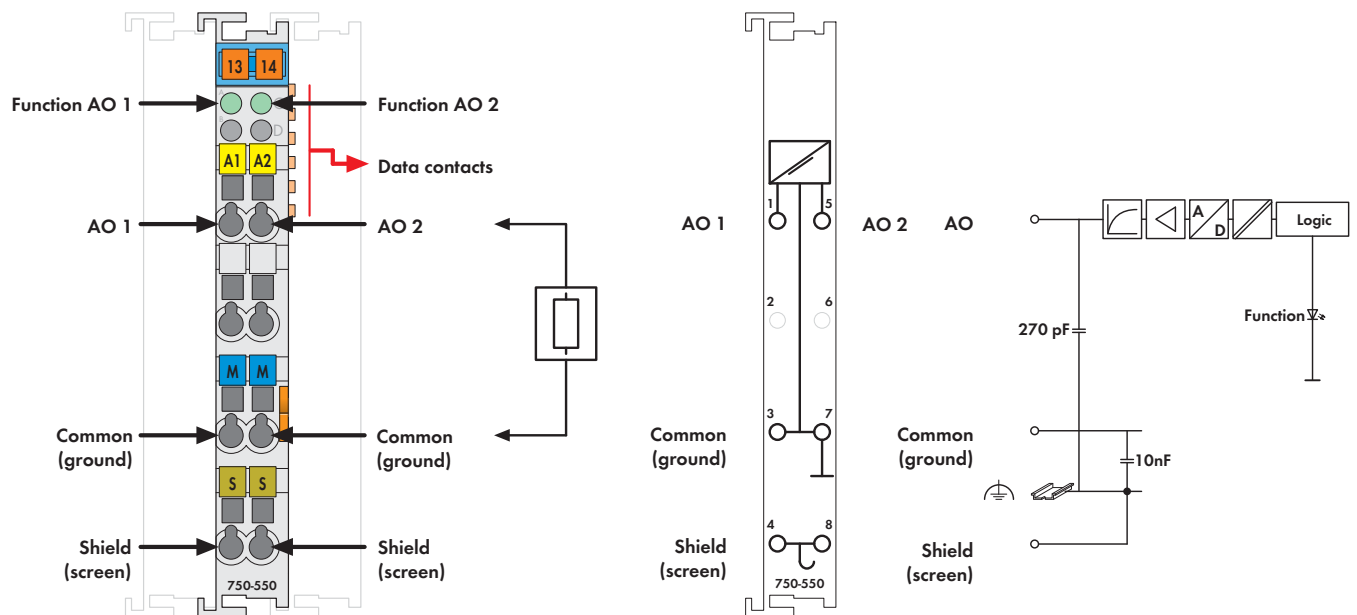


Fig. Series 750 / Technical data see page 28 / Delivery without Mini WSB marker  
Series 750 / 753 marking see pages 16 ... 17 / 18 ... 19

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

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 <sup>1)</sup> |
| 2AO ± 10V DC                                         | 750-556                               | 10 <sup>1)</sup> |
| 2AO 0-10V DC/S5 <sup>2)</sup>                        | 750-550/000-200                       | 1                |
| 2AO ±10V DC/S5 <sup>2)</sup>                         | 750-556/000-200                       | 1                |
| 2AO 0-10V DC (without connector)                     | 753-550                               | 10 <sup>1)</sup> |
| 2AO ±10V DC (without connector)                      | 753-556                               | 10 <sup>1)</sup> |
| <sup>1)</sup> Also available individually            |                                       |                  |
| <sup>2)</sup> 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 (internal)      | 65 mA                                                       |
| Voltage supply                      | via system voltage DC/DC                                    |
| Signal voltage                      | 0 V ... 10 V (750-550, 753-550)<br>±10 V (750-556, 753-556) |
| Load impedance                      | > 5 kΩ                                                      |
| Linearity                           | ±10 mV                                                      |
| Resolution                          | 12 bits                                                     |
| Conversion time                     | ca. 2 ms                                                    |
| Output filter settle 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<br>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<br>9 ... 10 mm / 0.37 in               |
| Width                               | 12 mm                                                       |
| Weight                              | 50.5 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)                           |