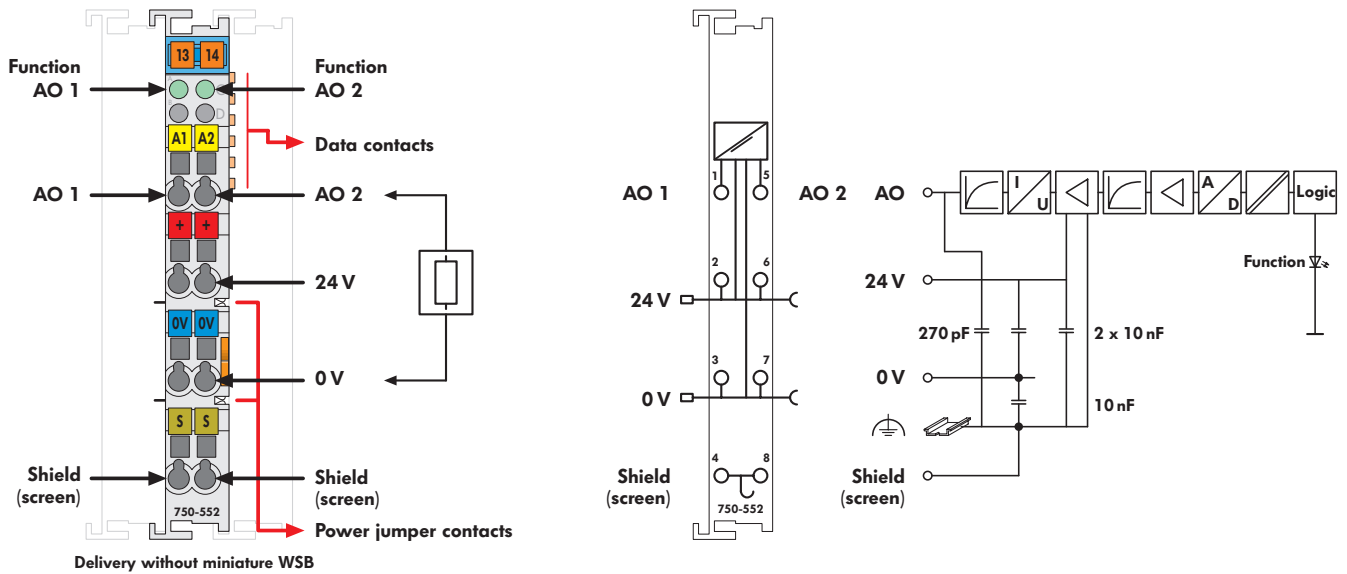


## 2-Channel Analog Output Module 0 /4-20 mA



The analog output module creates a standardized signal of 0-20 mA or 4-20 mA. 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).

| Description   | Item-No.  | Pack.-unit pcs        | Technical Data  |
|---|---|-----------------------|---|
| <b>2AO 0-20mA</b>                                     | <b>750-552</b>                                  | 10 <sup>1)</sup>      | No. of outputs 2  |
| <b>2AO 4-20mA</b>                                     | <b>750-554</b>                                  | 10 <sup>1)</sup>      | Current consumption max. (internal) 60 mA                               |
| <b>2AO 0-20mA/S5<sup>2)</sup></b>                     | <b>750-552/000-200</b>                          | 1                     | Voltage via power jumper contacts DC 24 V (-25% ... +30%)               |
| <b>2AO 4-20mA/S5<sup>2)</sup></b>                     | <b>750-554/000-200</b>                          | 1                     | Signal current 0 mA ... 20 mA (750-552)<br>4 mA ... 20 mA (750-554)     |
| <sup>1)</sup> Also available individually             |   |                       | Load impedance < 500 Ω  |
| <sup>2)</sup> Data format for S5 control with FB 251. |   |                       | Linearity ± 2LSB  |
| <b>General specifications</b>                         |   |                       | Resolution 12 bits  |
| Operating temperature                                 | 0°C ... +55°C                                   |                       | Conversion time ca 2 ms   |
| Wire connection CAGE CLAMP®                           | 0.08 mm² ... 2.5 mm²; AWG 28 ... 14             |                       | Measuring error 25°C < ± 0.1% of the full scale value                   |
|   | 8 ... 9 mm / 0.33 in stripped length            |                       | Temperature coefficient < ± 0.01% / K of the full scale value (750-552) |
| Dimensions (mm) W x H x L                             | 12 x 64* x 100                                  |                       | < ± 0.015% / K of the full scale value (750-554)                        |
|   | * from upper edge of 35 DIN rail                |                       | Isolation 500 V system / supply   |
| Weight  | ca 55 g   |                       | Bit width 2 x 16 bits data  |
| Storage temperature                                   | -25°C ... +85°C                                 |                       |   |
| Relative air humidity                                 | 95% no condensation                             |                       |   |
| Vibration and shock resistance                        | acc. to IEC 60068-2-6<br>acc. to IEC 60068-2-27 |                       |   |
| Degree of protection                                  | IP 20   |                       |   |
| 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 interf.          | acc. to Germanischer Lloyd (1997)               |                       |   |
| EMC marine applications -Emission of interf.          | acc. to Germanischer Lloyd (1997)               |                       |   |
| <b>Approvals</b>                                      |   |                       |   |
| UL and marine applications                            | see pages 1.10 ... 1.13                         |                       |   |
| Ex  | II 3 G EEx nA II T4, Class I Div2 ABCD T4A      |                       |   |
| Conformity marking                                    | CE  |                       |   |
| <b>Accessories</b>                                    |   |                       |   |
|   | <b>Item-No.</b>                                 | <b>Pack.-unit pcs</b> |   |
|   | <b>Miniature WSB quick marking system</b>       |                       |   |
|   | plain <b>248-501</b>                            | 5                     |   |
|   | with marking see pages 1.174 ... 1.175          |                       |   |