

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

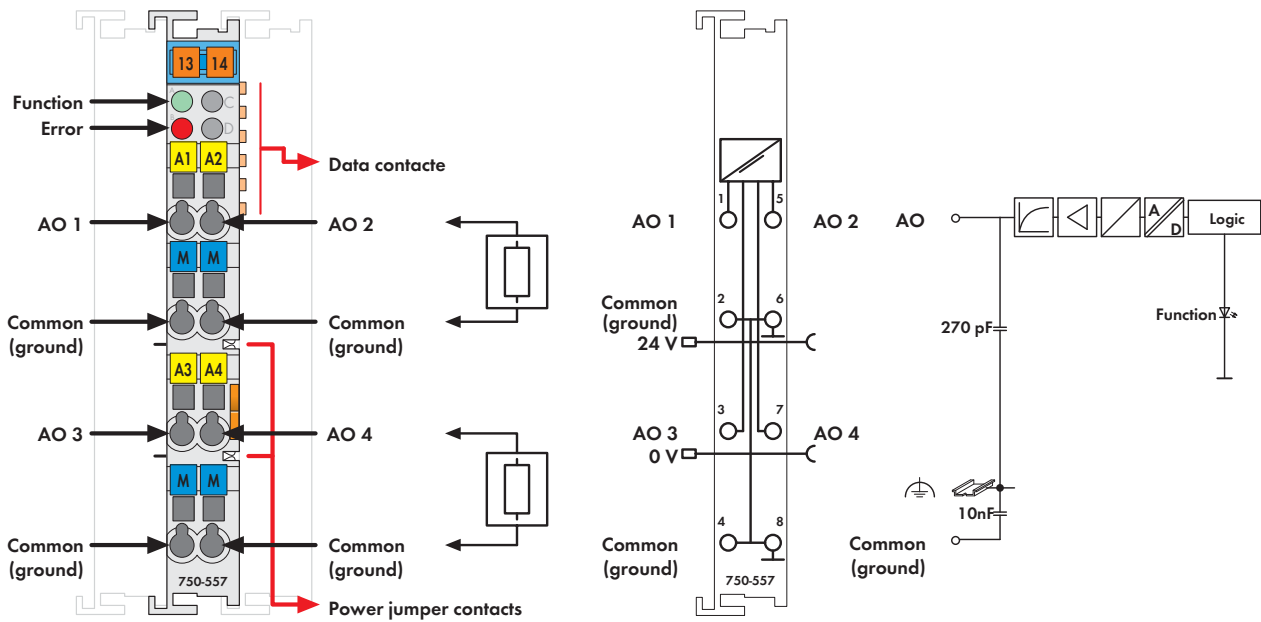










Fig. 750 Series  
Delivered without miniature WSB markers

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

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

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

The output channels of the module have one common potential.

| Description   | Item No.  | Pack. Unit |
|---|---|------------|
| 4AO ± 10V DC  | 750-557   | 1          |
| 4AO 0-10V DC  | 750-559   | 1          |
| 4AO 0-10V DC/T  | 750-559/025-000   | 1          |
| Extended temperature range: -20 °C ... +60 °C   |   |            |
| 4AO ±10V DC (without connector)   | 753-557   | 1          |
| 4AO 0-10V DC (without connector)  | 753-559   | 1          |
| <b>Accessories</b>  |   |            |
|  753 Series Connectors | 753-110   | 25         |
|  Coding elements       | 753-150   | 100        |
| <b>Miniature WSB Quick marking system</b>   |   |            |
|  plain                 | 248-501   | 5          |
|  with marking          | see Section 1.1   |            |
| <b>Approvals</b>  |   |            |
| Conformity marking  | CE  |            |
| Korea Certification   |  |            |
| Marine applications (versions upon request)   | ABS, BV, DNV, GL, KR, LR, NKK, PRS, RINA  |            |
|  UL 508                |   |            |
|  ANSI/ISA 12.12.01     | Class I, Div. 2, Grp. ABCD, T4  |            |
|  TÜV 07 ATEX 554086 X  | I M2 Ex d I Mb,<br>II 3 G Ex nA IIC T4 Gc,<br>II 3 D Ex tc IIIC T135°C Dc           |            |
| IECEX TUN 09.0001 X   | Ex d I Mb,<br>Ex nA IIC T4 Gc,<br>Ex tc IIIC T135°C Dc                              |            |

| Technical Data                      |  |
|-------------------------------------|--|
| No. of outputs                      | 4  |
| Max. current consumption (internal) | 125 mA   |
| Power supply                        | via system voltage DC/DC                                 |
| Signal voltage                      | ± 10V (750-557 / 753-557)<br>0 - 10V (750-559 / 753-559) |
| Load impedance                      | > 5 kΩ   |
| 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<br>4 x 8 bits control/status (option)   |
| Wire connection                     | CAGE CLAMP®  |
| Cross sections                      | 0.08 mm² ... 2.5 mm² / AWG 28 ... 14                     |
| Strip lengths, 750/753 Series       | 8 ... 9 mm / 0.33 in<br>9 ... 10 mm / 0.37 in            |
| Width                               | 12 mm  |
| Weight                              | 53.5 g   |
| EMC immunity of interference        | acc. to EN 61000-6-2, marine applications                |
| EMC emission of interference        | acc. to EN 61000-6-4, marine applications                |