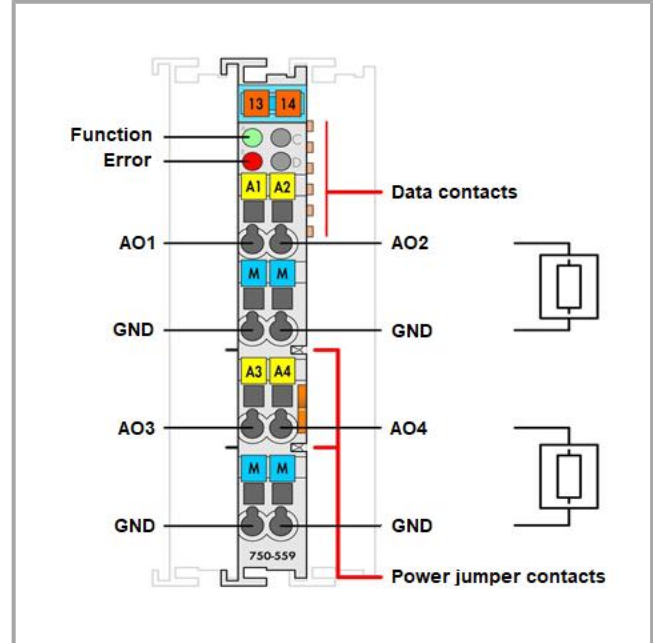
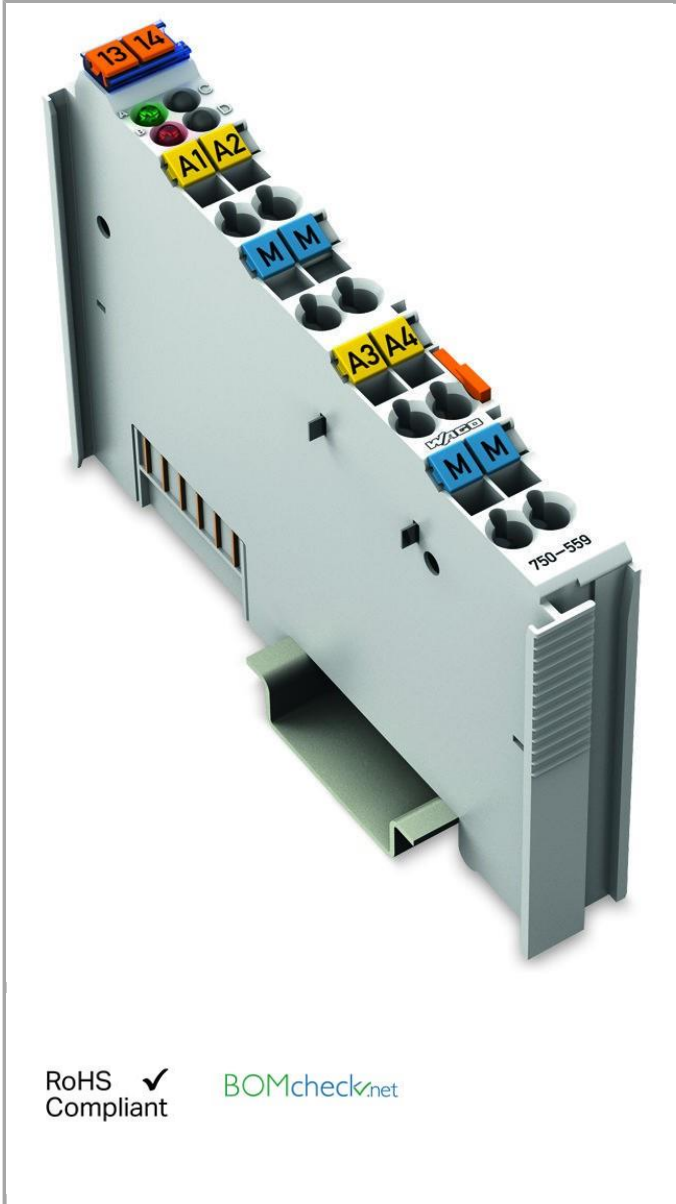


Data sheet | Item number: w750-559

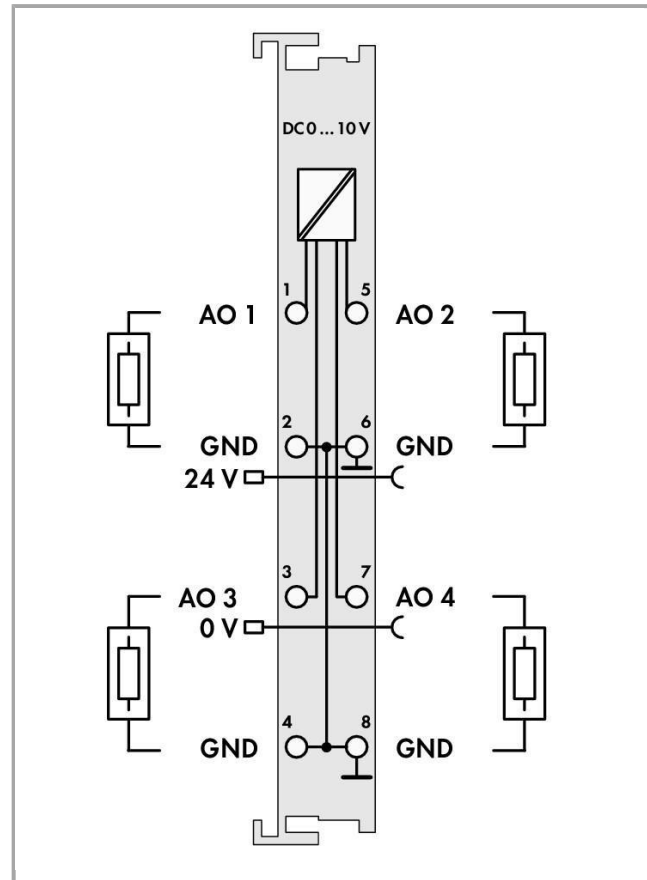
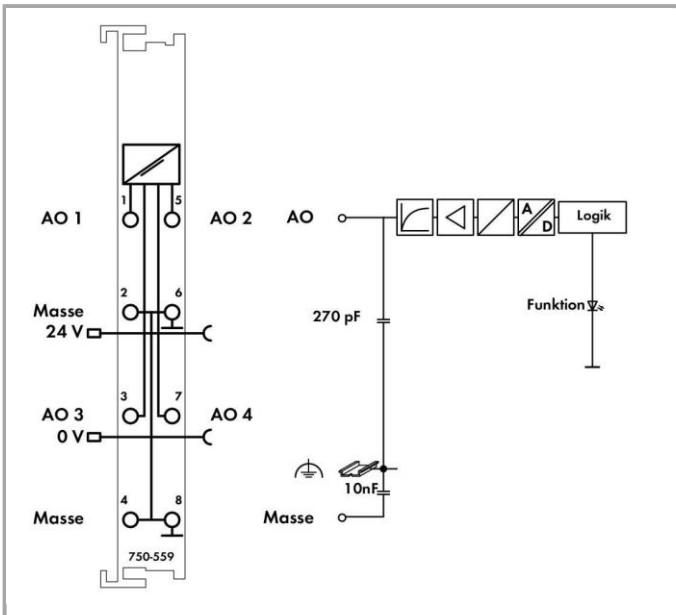
4-channel analog output; 0 ... 10 VDC

<https://www.domat-int.com/en/data-sheets>



RoHS   
Compliant





## Item description

The analog output module generates signals of a standard magnitude 0–10V.

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

The internal system supply powers the module.

The output channels of the module have a common ground potential.

## Data

### Technical Data

|  |  |
|--|--|
| Number of analog outputs                 | 4  |
| Total number of channels (module)        | 4  |
| Type of signal                           | Voltage  |
| Type of signal voltage                   | DC 0 ... 10 V  |
| Actuator connection                      | 4 × (2-conductor)                                    |
| Resolution [bit]                         | 12 Bit   |
| Bit width                                | 4 × 16-bit data; 4 × 8-bit control/status (optional) |
| Load impedance (output/voltage)          | ≥ 5 kΩ   |
| Conversion time (typ. ≤)                 | 10 ms  |
| Measurement error, reference temperature | 25 °C  |

|  |  |
|--|--|
| Measurement error, deviation max. from full scale      | 0.1 %  |
| Temperature error max. from the full scale value       | 0.01 %/K   |
| Recovery time (typ.)                                   | 100 ms   |
| System supply voltage                                  | DC 5 V; via data contacts  |
| Current consumption, system supply (5 V)               | 125 mA   |
| Field supply voltage                                   | DC 24 V (-25 ... +30 %); connection via blade contacts, communication via spring contacts) |
| Isolation  | 500 V system/field   |
| Number of incoming power jumper contacts               | 2  |
| Number of outgoing power jumper contacts               | 2  |
| Current carrying capacity of the power jumper contacts | 10 A   |

#### Connection data

|                                |  |
|--------------------------------|--|
| Connection technology: Outputs | 8 × CAGE CLAMP®                              |
| Connection type (1)            | Outputs                                      |
| Solid conductor                | 0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG |
| Fine-stranded conductor        | 0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG |
| Strip length                   | 8 ... 9 mm / 0.31 ... 0.35 inch              |

#### Geometrical Data

|                                       |                      |
|---------------------------------------|----------------------|
| Width                                 | 12 mm / 0.472 inch   |
| Height                                | 69.8 mm / 2.748 inch |
| Height from upper-edge of DIN-35 rail | 62.6 mm / 2.465 inch |
| Depth                                 | 100 mm / 3.937 inch  |

#### Mechanical data

|                  |             |
|------------------|-------------|
| Type of mounting | DIN-35 rail |
|------------------|-------------|

#### Material Data

|                    |                              |
|--------------------|------------------------------|
| Color              | light gray                   |
| Housing material   | Polycarbonate, polyamide 6.6 |
| Fire load          | 1.222 MJ                     |
| Weight             | 51 g                         |
| Conformity marking | CE                           |

#### Environmental Requirements

|   |               |
|---|---------------|
| Surrounding air (operating) temperature | 0 ... 55 °C   |
| Surrounding air (storage) temperature   | -40 ... 85 °C |
| Protection class                        | IP20          |

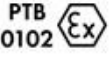


|  |   |
|--|---|
| Degree of pollution (5)  | 2 per IEC 61131-2                         |
| Operating altitude   | 0 ... 2000m                               |
| Mounting position  | horizontal (standing/lying) or vertical   |
| Relative air humidity (no condensation)  | 95 %                                      |
| Vibration resistance   | 4g per IEC 60068-2-6                      |
| Shock resistance   | 15g per IEC 60068-2-27                    |
| EMC immunity to interference   | acc. to EN 61000-6-2, marine applications |
| EMC emission of interference   | acc. to EN 61000-6-4, marine applications |
| Exposure to pollutants   | Per IEC 60068-2-42 and IEC 60068-2-43     |
| Permissible H <sub>2</sub> S contaminant concentration at a relative humidity 75 % | 10 ppm                                    |
| Permissible SO <sub>2</sub> contaminant concentration at a relative humidity 75 %  | 25 ppm                                    |

#### Commercial data


|                   |                 |
|-------------------|-----------------|
| Product Group     | 15 (Remote I/O) |
| Country of origin | DE              |
| GTIN              | 4045454490447   |

#### Approvals / Certificates

##### Ex-Approvals










| Logo   | Approval   | Additional Approval Text | Certificate name         |
|--|--|--------------------------|--------------------------|
|  | ATEX<br>TUEV Nord Cert GmbH                                | EN 60079-0               | TÜV 07 ATEX 554086 X en. |
|  | TUEV Nord<br>TUEV Nord Cert GmbH                           | IEC 60079-0              | IECEx TUN 09.0001 X      |
|  | UL<br>Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS) | ANSI/ISA 12.12.01        | E198726 Sec.1            |

##### Country specific Approvals


| Logo   | Approval                             | Additional Approval Text | Certificate name   |
|--|--------------------------------------|--------------------------|--------------------|
|  | KC<br>National Radio Research Agency | Article 58-2, Clause 3   | MSIP-REM-W43AOM750 |



Ship Approvals

| Logo  | Approval   | Additional Approval Text        | Certificate name  |
|---|--|---------------------------------|-------------------|
|     | ABS<br>American Bureau of Shipping               | -                               | 19-HG1821926      |
|     | ABS<br>American Bureau of Shipping               | Rules for class. of Steel Ships | 16-HG1554285PDA   |
|    | BV<br>Bureau Veritas S.A.                        | -                               | 13453/DO BV       |
|     | DNV GL<br>Det Norske Veritas, Germanischer Lloyd | -                               | TAA0000194        |
|    | KR<br>Korean Register of Shipping                | -                               | HMB05880AC001     |
|  | LR<br>Lloyds Register                            | -                               | 02/20026 (E5)     |
|   | NK<br>Nippon Kaiji Kyokai                        | -                               | TA17255M          |
|  | PRS<br>Polski Rejestr Statków                    | -                               | TE/2236/880590/19 |
|   | RINA<br>RINA Germany GmbH                        | -                               | ELE343217XG       |

UL-Approvals

| Logo   | Approval   | Additional Approval Text | Certificate name |
|--|--|--------------------------|------------------|
|  | UL<br>UL International Netherlands B.V. (ORDINARY LOCATIONS) | UL 508                   | E175199 Sec.1    |

Subject to changes.

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Domat control system

Do you have any questions about our products?

WAGO Kontakttechnik GmbH & Co. KG (manufacturer)

We are always happy to take your call at +420 461 100 666.

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