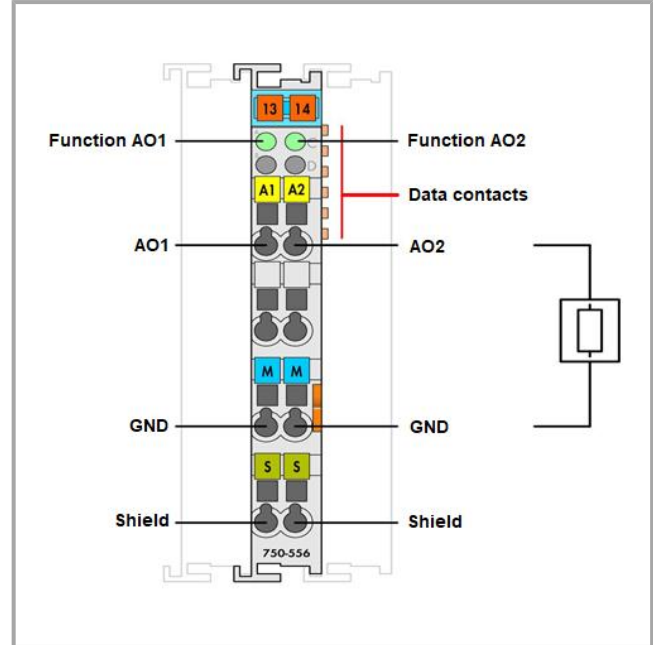


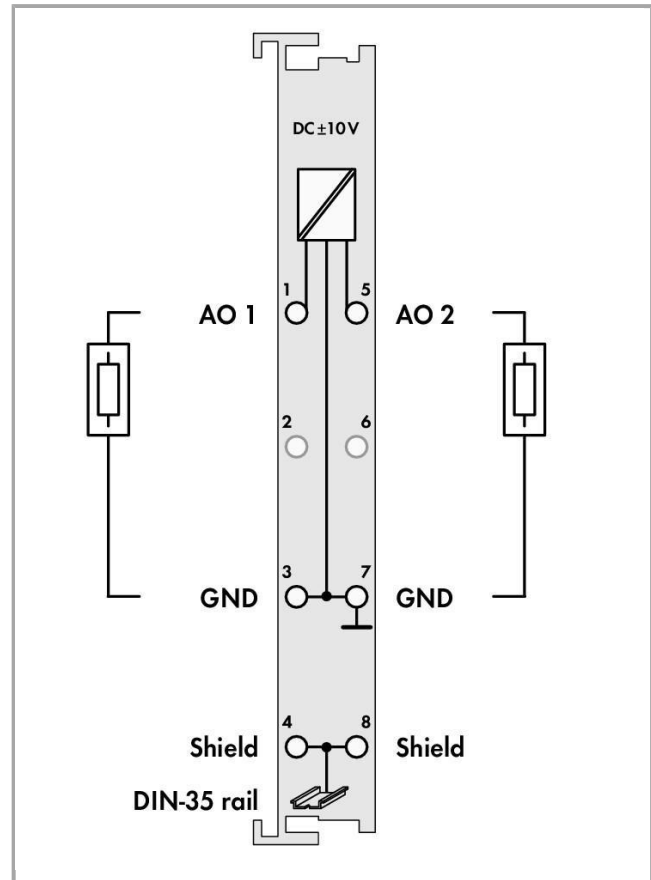
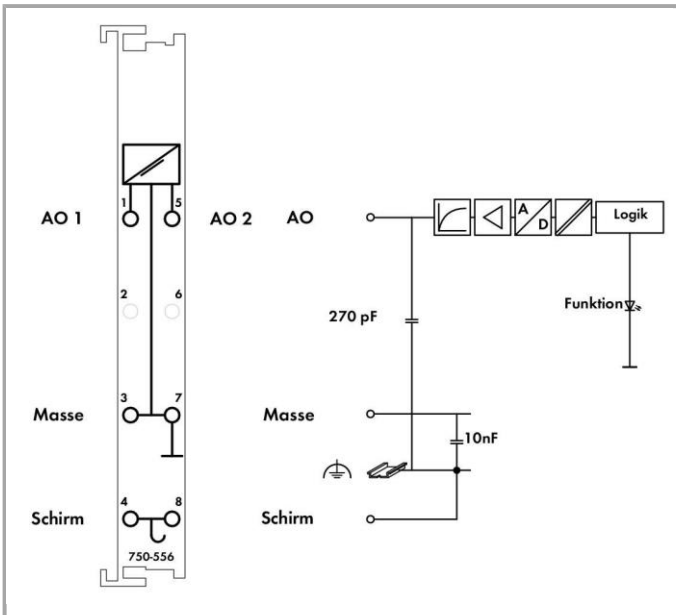
Data sheet | Item number: w750-556

2-channel analog output; ± 10 V DC

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



RoHS  Compliant 



Item description

The analog output module generates signals of a standard magnitude $\pm 10V$.

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

The outputs are short-circuit proof.

The internal system supply powers the module.

The output channels have one common ground potential.

Data

Technical Data

| | |
|-----------------------------------|--|
| Number of analog outputs | 2 |
| Total number of channels (module) | 2 |
| Type of signal | Voltage |
| Type of signal voltage | DC -10 ... +10 V |
| Actuator connection | 2 × (2-conductor) |
| Resolution [bit] | 12 Bit |
| Bit width | 2 × 16-bit data; 2 × 8-bit control/status (optional) |
| Load impedance (output/voltage) | $\geq 5 \text{ k}\Omega$ |

| | |
|---|---------------------------|
| Relative air humidity (no condensation) | 95 % |
| Conversion time (typ. ≤) | 2 ms |
| Measurement output error, reference temperature | 25 °C |
| Measurement / output error, deviation | 0.1 % |
| Temperature coefficient | 0.01 %/K |
| Recovery time (typ.) | 0.3 ms |
| Linearity | ±10 mV |
| System supply voltage | DC 5 V; via data contacts |
| Current consumption, system supply (5 V) | 65 mA |
| Isolation | 500 V system/field |

Connection data

| | |
|--------------------------------|--|
| Connection technology: Outputs | 8 × CAGE CLAMP® |
| Connection type (1) | Outputs |
| Solid conductor | 0.08 ... 2.5 mm ² / 28 ... 14 AWG |
| Fine-stranded conductor | 0.08 ... 2.5 mm ² / 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 |
| Weight | 48 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 |

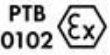


| | |
|--|---|
| Operating altitude | 0 ... 2000 m |
| Mounting position | horizontal (standing/lying) or vertical |
| Vibration resistance | 4g per IEC 60068-2-6 |
| Shock resistance | 15g per IEC 60068-2-27 |
| EMC immunity to interference | acc. to EN 61000-6-2, marine applications |
| EMC emission 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 ₂ S contaminant concentration at a relative humidity 75 % | 10 ppm |
| Permissible SO ₂ contaminant concentration at a relative humidity 75 % | 25 ppm |

Commercial data


| | |
|-------------------|-----------------|
| Product Group | 15 (Remote I/O) |
| Country of origin | DE |
| GTIN | 4045454495886 |

Approvals / Certificates










Ex-Approvals

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


Country specific Approvals

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

Ship Approvals

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

UL-Approvals

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

Subject to changes