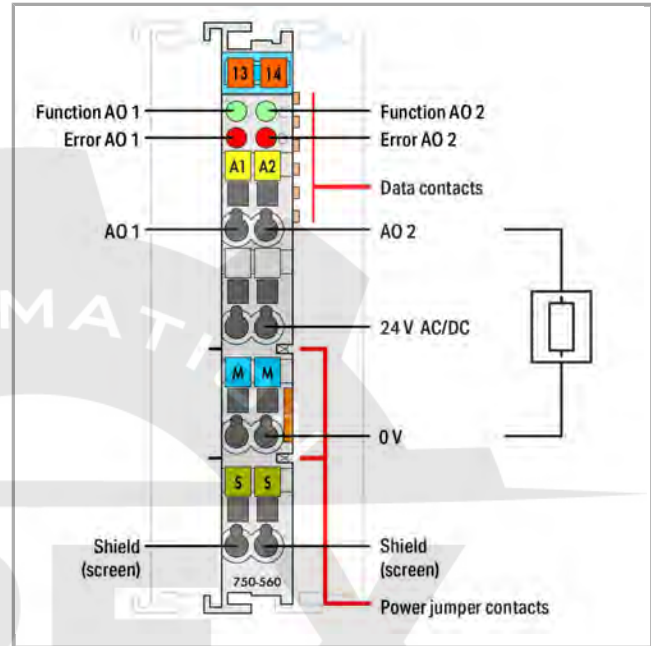


# Data sheet | Item number: 750-560

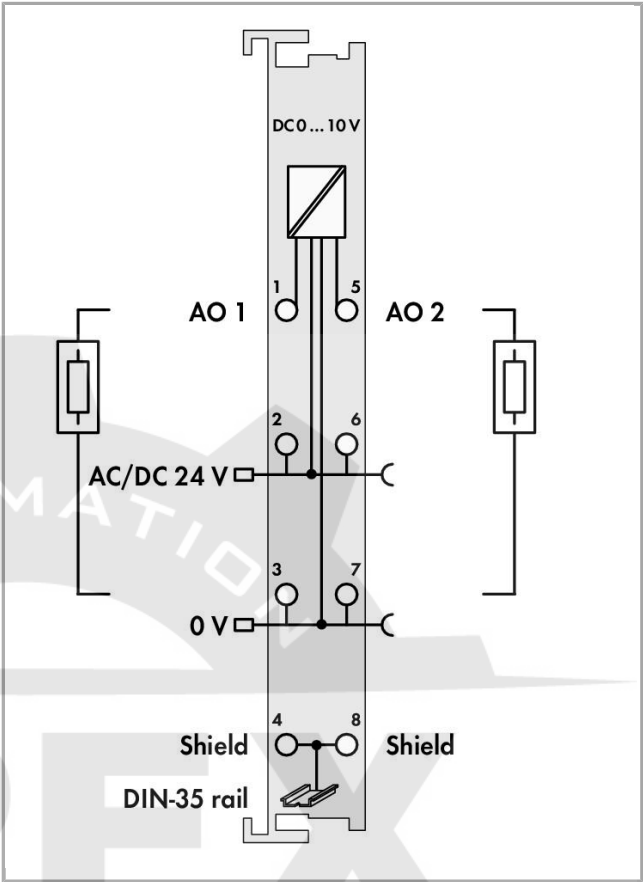
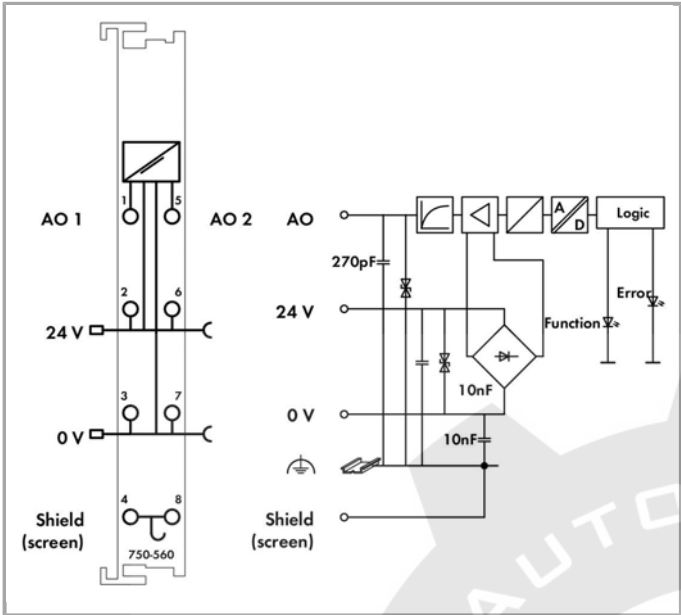
2-channel analog output; 0 ... 10 VDC; 10 bits; 100 mW/24 V

750-560



RoHS  Compliant

[BOMcheck.net](https://www.bomcheck.net)



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 10 bits.
- The outputs are short-circuit proof.
- Each channel is equipped with an LED to indicate short-circuits or overloads  $\geq 15\text{mA}$ .
- The shield (screen) is directly connected to the DIN rail.
- Both the internal system and field side supply are used to power the module.
- The output channels have one common ground potential.
- The analog outputs and the 24V supply have one common ground potential so that actuators such as servo drives can be connected using a 3-conductor cable.

Data  
Technical Data

|                                   |         |
|-----------------------------------|---------|
| Number of analog outputs          | 2       |
| Total number of channels (module) | 2       |
| Type of signal                    | Voltage |

|                                                     |                                                                                                                      |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Type of signal voltage                              | DC 0 ... 10 V                                                                                                        |
| Actuator connection                                 | 2 x (2-conductor)                                                                                                    |
| Resolution [bit]                                    | 10 Bit                                                                                                               |
| Bit width                                           | 2 x 16-bit data; 2 x 8-bit control/status (optional)                                                                 |
| Load impedance (output/voltage)                     | $\geq 1 \text{ k}\Omega$                                                                                             |
| Conversion time (typ. $\leq$ )                      | 10 ms                                                                                                                |
| Messfehler, Bezugstemperatur                        | 25 °C                                                                                                                |
| Messfehler, Abweichung max. vom Messbereichsendwert | 0.2 %                                                                                                                |
| Temperaturfehler max. vom Messbereichsendwert       | 0.02 %/K                                                                                                             |
| System supply voltage                               | DC 5 V; via data contacts                                                                                            |
| Current consumption, system supply (5 V)            | 16 mA                                                                                                                |
| System and sensor supply voltage                    | )                                                                                                                    |
| Field supply voltage                                | AC/DC 24 V (-25 ... +30 %); über Leistungskontakte (Einspeisung über Messerkontakt; Weiterleitung über Federkontakt) |
| Isolation                                           | 500 V system/supply                                                                                                  |
| Number of incoming power jumper contacts            | 2                                                                                                                    |
| Number of outgoing power jumper contacts            | 2                                                                                                                    |

### Connection data

|                                    |                                              |
|------------------------------------|----------------------------------------------|
| Connection technology: In-/Outputs | 8 x CAGE CLAMP®                              |
| Connection type (1)                | Inputs/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          | 1.288 MJ                     |
| Weight             | 52.13 g                      |
| Conformity marking | 1                            |

## Environmental Requirements

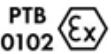
|                                                                                    |                                         |
|------------------------------------------------------------------------------------|-----------------------------------------|
| Surrounding air (operating) temperature                                            | 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 |
| Relative air humidity (no condensation)                                            | 95 %                                    |
| Vibration resistance                                                               | acc. to IEC 60068-2-6                   |
| Shock resistance                                                                   | 15g per IEC 60068-2-27                  |
| EMC immunity to interference                                                       | acc. to EN 61000-6-2                    |
| EMC emission of interference                                                       | acc. to EN 61000-6-4                    |
| 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               | 4045454501327   |
| Customs Tariff No. | 85389099990     |

## Approvals / Certificates

### Ex-Approvals

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

### Country specific Approvals

| Logo                                                                             | Approval                             | Additional Approval Text | Certificate name            |
|----------------------------------------------------------------------------------|--------------------------------------|--------------------------|-----------------------------|
|  | KC<br>National Radio Research Agency | Article 58-2, Clause 3   | MSIP-<br>REM-W43-<br>AOM750 |

## UL-Approvals

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

## Compatible products

## Marking accessories

|                                                                                    |                                                                                                                               |          |          |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------|----------|
|  | <b>Item no.: 2009-145</b><br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type         |          | 2009-145 |
|  | <b>Item no.: 2009-145/000-002</b><br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | /000-002 | 2009-145 |
|  | <b>Item no.: 2009-145/000-005</b><br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | /000-005 | 2009-145 |
|  | <b>Item no.: 2009-145/000-006</b><br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | /000-006 | 2009-145 |
|  | <b>Item no.: 2009-145/000-007</b><br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | /000-007 | 2009-145 |
|  | <b>Item no.: 2009-145/000-012</b><br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | /000-012 | 2009-145 |
|  | <b>Item no.: 2009-145/000-023</b><br>Mini-WSB Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type  | /000-023 | 2009-145 |
|                                                                                    | <b>Item no.: 2009-145/000-024</b><br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | /000-024 | 2009-145 |

**Item no.: 248-501**

Miniature WSB Quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card

248-501

**Item no.: 248-501/000-002**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type

/000-002

248-501

**Item no.: 248-501/000-005**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type

/000-005

248-501

**Item no.: 248-501/000-006**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type

/000-006

248-501

**Item no.: 248-501/000-007**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type

/000-007

248-501

**Item no.: 248-501/000-012**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type

/000-012

248-501

**Item no.: 248-501/000-017**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type

/000-017

248-501

**Item no.: 248-501/000-023**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type

/000-023

248-501

**Item no.: 248-501/000-024**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type

/000-024

248-501

**Item no.: 750-100**

Marker card; as a DIN A4 sheet; plain

750-100

**Item no.: 750-103**

Group marker carrier

750-103

**Item no.: 750-106**

Group marker carrier

750-106

**shield connection****Item no.: 790-108**

Shield clamping saddle; 11 mm wide; diameter of compatible conductor

790-108

**Item no.: 790-116**

Shield clamping saddle; 19 mm wide; diameter of compatible conductor; 7 ... 16 mm

790-116

**Item no.: 790-124**

Shield clamping saddle; 27 mm wide; diameter of compatible conductor; 6 ... 24 mm

790-124

**Item no.: 790-140**

Shield clamping saddle; diameter of compatible conductor

790-140

**Item no.: 790-208**

Shield clamping saddle; 12.4 mm wide; 3 ... 8 mm

790-208

**Item no.: 790-216**

Shield clamping saddle; 21.8 mm wide; 6 ... 16 mm

790-216

**Item no.: 790-220**

Shield clamping saddle; 30 mm wide; 6 ... 20 mm

790-220

**Supply module****Item no.: 750-612**

Power Supply; 0 ... 230 V AC/DC

750-612

**Item no.: 750-617**

Power Supply; 24 VAC; fuse holder

750-617

**system box****Item no.: 850-804**

IP65 enclosure; Stainless steel; WxHxD (400x123x200 mm); 4 x M20, 16 x M16, 28 x M12 cable grip

850-804

**Item no.: 850-804/000-001**

IP65 enclosure; Stainless steel; WxHxD (400x123x200 mm); 2 x M20, 13 x M16, 32 x M12 cable grip

850-804

**Item no.: 850-805**

IP65 enclosure; Stainless steel; WxHxD (600x123x200 mm); 4 x M20, 19 x M16, 67 x M12 cable grip

850-805

**Item no.: 850-814/002-000**

IP65 enclosure; Sheet steel (RAL 7035); WxHxD (200x120x200 mm); without flange plate

850-814

**Item no.: 850-815/002-000**

IP65 enclosure; Sheet steel (RAL 7035); WxHxD (300x120x200 mm); without flange plate

850-815

**Item no.: 850-816/002-000**

IP65 enclosure; Sheet steel (RAL 7035); WxHxD (400x120x200 mm); without flange plate

850-816

**Item no.: 850-817/002-000**

IP65 enclosure; Sheet steel (RAL 7035); WxHxD (600x120x200 mm); without flange plate

850-817

**Item no.: 850-825**

IP65 enclosure; Aluminium (RAL 7032); WxHxD (160x100x160 mm); 9 x M12, 4 x M20

850-825

**Item no.: 850-826**

IP65 enclosure; Aluminium (RAL 7032); WxHxD (240x100x160 mm); 4 x M20, 4 x M16, 14 x M12 cable grip

850-826

**Item no.: 850-826/002-000**

IP65 enclosure; Aluminium (RAL 7035); WxHxD (240x100x160 mm); 4 x M20, 4 x M16, 14 x M12 cable grip

850-826

**Item no.: 850-827**

IP65 enclosure; Aluminium (RAL 7032); WxHxD (320x100x160 mm); 4 x M20, 8 x M16, 17 x M12 cable grip

850-827

**Item no.: 850-827/002-000**





IP65 enclosure; Aluminium (RAL 7035); WxHxD (320x100x160 mm); 4 x M20, 8 x M16, 17 x M12 cable grip

850-827

/002-000

**Item no.: 850-828**

IP65 enclosure; Aluminium (RAL 7032); WxHxD (480x100x160 mm); 4 x M20, 10 x M16, 35 x M12 cable grip

850-828

**Item no.: 850-828/002-000**

IP65 enclosure; Aluminium (RAL 7035); WxHxD (480x100x160 mm); 4 x M20, 10 x M16, 35 x M12 cable grip

850-828

/002-000

**Item no.: 850-834**

IP65 enclosure; Polyester (RAL 7032); WxHxD (164x100x164 mm); 9 x M12, 4 x M20

850-834

**Item no.: 850-835**

IP65 enclosure; Polyester (RAL 7032); WxHxD (244x100x164 mm); 4 x M20, 4 x M16, 14 x M12 cable grip

850-835

**Item no.: 850-836**

IP65 enclosure; Polyester (RAL 7032); WxHxD (324x100x164 mm); 4 x M20, 8 x M16, 17 x M12 cable grip

850-836

**Carrier rail****Item no.: 210-112**

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm

210-112

**Item no.: 210-113**

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715

210-113

**Item no.: 210-114**

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715

210-114

**Item no.: 210-115**

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm

210-115

**Item no.: 210-118**

Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715

210-118

**Item no.: 210-196**

Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715

210-196

**Item no.: 210-197**

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715

210-197

**Item no.: 210-198**

Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715

210-198

**Item no.: 210-504**

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715

210-504

**Item no.: 210-505**

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715

210-505

**Item no.: 210-506**

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715

210-506

**Item no.: 210-508**

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715

210-508





## Downloads

## Documentation

## Manual

|                                           |         |               |          |
|-------------------------------------------|---------|---------------|----------|
| 2-channel, 0-10VDC<br>10 bits, 100mW, 24V | V 1.1.0 | pdf<br>2.0 MB | Download |
|-------------------------------------------|---------|---------------|----------|

## Bid Text

|                       |             |                |          |
|-----------------------|-------------|----------------|----------|
| 750-560<br>IO-Klemmen | Apr 4, 2012 | doc<br>30.7 kB | Download |
|-----------------------|-------------|----------------|----------|

## Additional Information

|                                                          |         |                 |          |
|----------------------------------------------------------|---------|-----------------|----------|
| Disposal; Electrical and electronic equipment, Packaging | V 1.0.0 | pdf<br>265.8 kB | Download |
|----------------------------------------------------------|---------|-----------------|----------|

## System Description

|                                                                                    |         |               |          |
|------------------------------------------------------------------------------------|---------|---------------|----------|
| Design Notes<br>Basic conditions and recommendations for higher operational safety | V 2.0.0 | pdf<br>1.5 MB | Download |
|------------------------------------------------------------------------------------|---------|---------------|----------|

|                                                                                        |         |               |          |
|----------------------------------------------------------------------------------------|---------|---------------|----------|
| Use in Hazardous Environments<br>Term definition, marking and installation regulations | V 1.0.0 | pdf<br>1.0 MB | Download |
|----------------------------------------------------------------------------------------|---------|---------------|----------|

|                                           |  |                 |          |
|-------------------------------------------|--|-----------------|----------|
| Overview on WAGO-I/O-SYSTEM 750 approvals |  | pdf<br>780.2 kB | Download |
|-------------------------------------------|--|-----------------|----------|

|                                                         |  |               |          |
|---------------------------------------------------------|--|---------------|----------|
| 750/753 Series I/O-System – General Product Information |  | pdf<br>1.7 MB | Download |
|---------------------------------------------------------|--|---------------|----------|

## CAD/CAE - Smart Data

## CAD data

|                     |  |     |          |
|---------------------|--|-----|----------|
| 3D Download 750-560 |  | URL | Download |
|---------------------|--|-----|----------|

## Device Files

## Device Driver

|                                                               |                         |               |          |
|---------------------------------------------------------------|-------------------------|---------------|----------|
| WAGO USB Service Cable Driver / 750 and 857 Series<br>759-923 | 6.5.3.0<br>Sep 10, 2014 | zip<br>4.8 MB | Download |
|---------------------------------------------------------------|-------------------------|---------------|----------|

## Product family

**750/753 Series I/O-System**

[Learn more about the product family.](#)

[Show all products from the family](#)



Subject to changes.

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