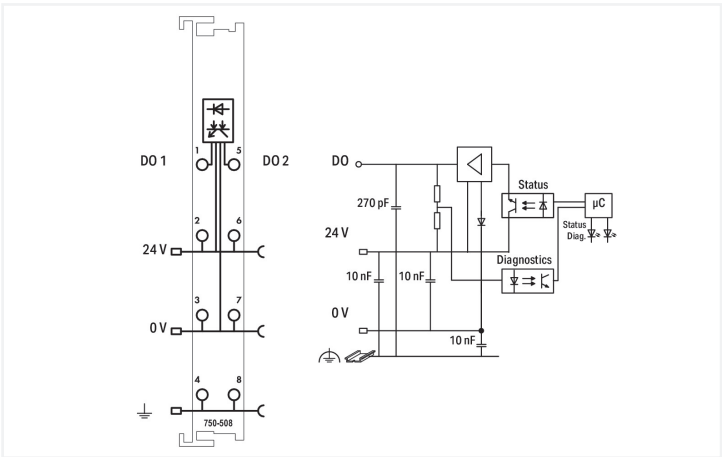
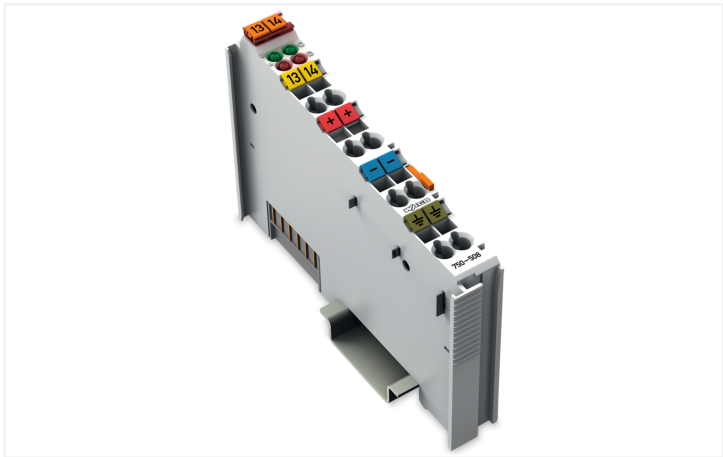
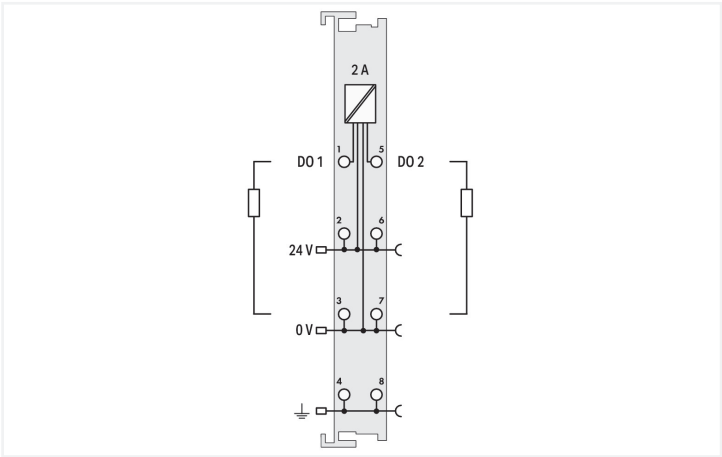
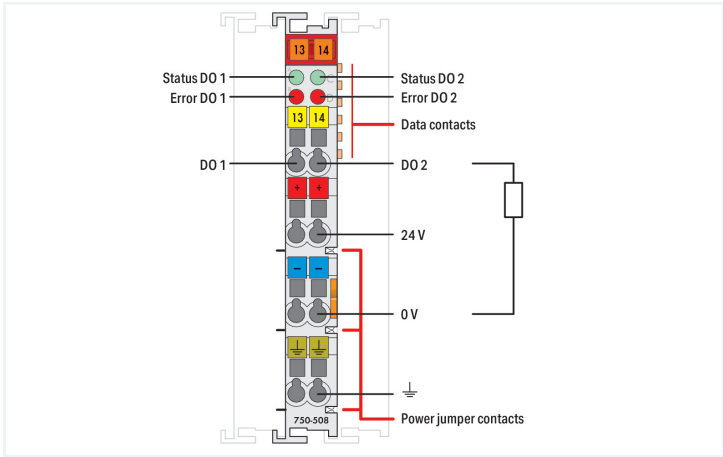




Color: ■ light gray



This digital output module transmits control signals from the automation device to the connected actuators. All outputs are short-circuit-protected. The module detects the following errors: overload, short circuit and wire break. The status is transmitted to the fieldbus coupler and indicated by LEDs. Field and system levels are electrically isolated.

| Technical data                      |                                 |
|-------------------------------------|---------------------------------|
| Number of digital outputs           | 2                               |
| Total number of channels (module)   | 2                               |
| Signal type                         | Digital                         |
| Signal type (voltage)               | 24 VDC                          |
| Actuator connection                 | 2 x (2-wire, 3-wire, 4-wire)    |
| Output characteristic               | high-side switching             |
| Output current per channel          | 2 A                             |
| Output current                      | short-circuit-protected         |
| Load type                           | Resistive, inductive, lamp load |
| Reverse voltage protection          | Yes                             |
| Open-circuit detection              | 0.2 mA                          |
| Short-circuit limitation (typ.) PWM | 15 A                            |
| Switching frequency (max.)          | 1 kHz                           |



| Technical data                                                   |                                                                                                                                                      |
|------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagnostics                                                      | Open circuit, short circuit, overload                                                                                                                |
| Input data width (internal) max.                                 | 2 bits                                                                                                                                               |
| Output data width (internal) max.                                | 2 bits                                                                                                                                               |
| Supply voltage (system)                                          | 5 VDC; via data contacts                                                                                                                             |
| Current consumption (system supply)                              | 14 mA                                                                                                                                                |
| Supply voltage (field)                                           | 24 VDC (-25 ... +30 %); via power jumper contacts (power supply via blade contact; transmission (field side supply voltage only) via spring contact) |
| Current consumption, field supply (module with no external load) | 7 mA                                                                                                                                                 |
| Isolation                                                        | 500 V system/field                                                                                                                                   |
| Indicators                                                       | LED (A, C) green: Status DO 1, DO 2; LED (B, D) red: Error DO 1, DO 2                                                                                |
| Number of incoming power jumper contacts                         | 3                                                                                                                                                    |
| Number of outgoing power jumper contacts                         | 3                                                                                                                                                    |
| Current carrying capacity (power jumper contacts)                | 10 A                                                                                                                                                 |

| Connection Data                 |                                              |
|---------------------------------|----------------------------------------------|
| Connection technology: I/O      | 8 x CAGE CLAMP® (outputs)                    |
| Connectable conductor materials | Copper                                       |
| Connection type                 | Output                                       |
| 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 inches            |

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

| Mechanical data     |             |
|---------------------|-------------|
| Mounting type       | DIN-35 rail |
| Pluggable connector | fixed       |

| Material data      |                              |
|--------------------|------------------------------|
| Color              | light gray                   |
| Housing material   | Polycarbonate; polyamide 6.6 |
| Fire load          | 0.927 MJ                     |
| Weight             | 47.8 g                       |
| Conformity marking | CE                           |

| Environmental requirements               |                                                                                                        |
|------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Ambient temperature (operation)          | 0 ... +55 °C                                                                                           |
| Ambient temperature (storage)            | -40 ... +85 °C                                                                                         |
| Protection type                          | IP20                                                                                                   |
| Pollution degree                         | 2 per IEC 61131-2                                                                                      |
| Operating altitude                       | 0 ... 2000 m / 0 ... 6562 ft                                                                           |
| Mounting position                        | Horizontal left, horizontal right, horizontal top, horizontal bottom, vertical top and vertical bottom |
| Relative humidity (without condensation) | 95 %                                                                                                   |
| Vibration resistance                     | 4g per IEC 60068-2-6                                                                                   |
| Shock resistance                         | 15g per IEC 60068-2-27                                                                                 |
| EMC immunity to interference             | per EN 61000-6-2, marine applications                                                                  |
| EMC emission of interference             | per EN 61000-6-3, marine applications                                                                  |

| Environmental requirements                                                         |                                       |
|------------------------------------------------------------------------------------|---------------------------------------|
| 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 (I/O System) |
| PU (SPU)              | 1 pcs           |
| Packaging type        | Box             |
| Country of origin     | DE              |
| GTIN                  | 4045454801229   |
| Customs tariff number | 85371098990     |

| Product Classification |                      |
|------------------------|----------------------|
| UNSPSC                 | 32151705             |
| eCl@ss 10.0            | 27-24-26-04          |
| eCl@ss 9.0             | 27-24-26-04          |
| ETIM 9.0               | EC001599             |
| ETIM 10.0              | EC001599             |
| ECCN                   | NO US CLASSIFICATION |

| Environmental Product Compliance          |                                                                                               |
|-------------------------------------------|-----------------------------------------------------------------------------------------------|
| CAS-No.                                   | 1303-86-2<br>1317-36-8<br>7439-92-1<br>79-94-7                                                |
| REACH Candidate List Substance            | 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol<br>Diboron trioxide<br>Lead<br>Lead monoxide |
| RoHS Compliance Status                    | Compliant,With Exemption                                                                      |
| RoHS Exemption                            | 7(a)<br>7(c)-I                                                                                |
| SCIP notification number (Austria)        | f22c9bf0-8c19-46ea-9a9d-46fd8bc5e1fa                                                          |
| SCIP notification number (Belgium)        | 03329f0b-37e2-40d9-a454-d2c07b6ed047                                                          |
| SCIP notification number (Bulgaria)       | 5c366cc5-6d31-4f64-9d5d-e0b20d8c219d                                                          |
| SCIP notification number (Czech Republic) | 40b10243-8453-459c-bec0-051f23754bc1                                                          |
| SCIP notification number (Denmark)        | 492a17ff-fc93-4237-a880-594467734f0d                                                          |
| SCIP notification number (Finland)        | 5c0d2909-1e65-4568-b353-1ac590512535                                                          |
| SCIP notification number (France)         | 4f126ae7-c282-4995-8494-c6f443c34290                                                          |
| SCIP notification number (Germany)        | bb8141f1-107a-4a2a-95a4-460f0f40e667                                                          |
| SCIP notification number (Hungary)        | c94dfc52-0631-48f3-8805-aa3ebcf79e4e                                                          |
| SCIP notification number (Italy)          | a32fc352-2b7f-4e8a-96bc-e9141a91f41a                                                          |
| SCIP notification number (Netherlands)    | 2100f306-315a-4909-88ad-062461cf81df                                                          |
| SCIP notification number (Poland)         | 3d76f97e-2740-47e2-81f7-46470dd58eed                                                          |
| SCIP notification number (Romania)        | 8dd1129d-42db-4240-a6a1-4d3e3fc57f5b                                                          |
| SCIP notification number (Sweden)         | 0047bcb3-8345-4c77-a1bc-cc6986f6cd8b                                                          |



Approvals / Certificates

General approvals



| Approval                                                  | Standard               | Certificate Name    |
|-----------------------------------------------------------|------------------------|---------------------|
| EAC<br>GZO Almaty Standart                                | TP TC 020/2011         | EAC CoC 03083       |
| KC<br>National Radio Research Agency                      | Article 58-2, Clause 3 | MSIP-REM-W43-DOM750 |
| UL<br>Underwriters Laboratories Inc. (ORDINARY LOCATIONS) | UL 508                 | E175199             |

Declarations of conformity and manufacturer's declarations

| Approval                                           | Standard | Certificate Name |
|----------------------------------------------------|----------|------------------|
| EU-Declaration of Conformity<br>WAGO GmbH & Co. KG | -        | -                |

Approvals for marine applications



| Approval                                               | Standard             | Certificate Name  |
|--------------------------------------------------------|----------------------|-------------------|
| ABS<br>American Bureau of Shipping                     | -                    | 25-0415412        |
| BSH<br>Bundesamt fuer Seeschiff-fahrt und Hydrographie | -                    | 1104              |
| BV<br>Bureau Veritas S.A.                              | -                    | 30389/C0 BV       |
| DNV<br>DNV GL SE                                       | DNV-CG-0339,Aug.2021 | TAA0000194        |
| KR<br>Korean Register of Shipping                      | -                    | KR HMB05880-AC001 |
| LR<br>Lloyds Register EMEA                             | -                    | LR22180952TA      |
| PRS<br>Polski Rejestr Statków                          | -                    | TE/1101/880590/23 |
| RINA<br>RINA Germany GmbH                              | -                    | ELE343521XG001    |

Approvals for hazardous areas



| Approval                                                   | Standard    | Certificate Name                           |
|------------------------------------------------------------|-------------|--------------------------------------------|
| ATEX<br>TUEV Nord Cert GmbH                                | EN 60079-0  | TUEV14ATEX148929X (II 3 G Ex ec IIC T4 Gc) |
| CCCEX<br>CQST/CNEx                                         | CNCA-C23-01 | 2020312310000213 (Ex ec IIC T4 Gc)         |
| INMETRO<br>TÜV Rheinland do Brasil Ltda.                   | IEC 60079-0 | TÜV 12.1297 X                              |
| UKEx<br>WAGO GmbH & Co. KG                                 | EN 60079-0  | UKCA_WA GO22UKEX003X_ec                    |
| UL<br>Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS) | UL 121201   | E198726                                    |

Downloads

Environmental Product Compliance

| Compliance Search                        |
|------------------------------------------|
| Environmental Product Compliance 750-508 |





| Documentation                                           |            |                 |                                                         |                  |
|---------------------------------------------------------|------------|-----------------|---------------------------------------------------------|------------------|
| Manual                                                  |            |                 | System Description                                      |                  |
| System Manual Series 750/753                            |            |                 | 750/753 Series I/O-System – General Product Information | pdf<br>953.35 KB |
| Product Manual 2-channel, 24VDC, 2.0A, with diagnostics |            |                 | Overview on WAGO-I/O-SYSTEM 750 approvals               | pdf<br>770.48 KB |
| 2504937227   6   en-US   2025-06-03 09:06 03.09.2025    | pdf        | 1134.95 KB      |                                                         |                  |
| Bid Text                                                |            |                 | Instruction Leaflet                                     |                  |
| 750-508                                                 | 19.02.2019 | xml<br>4.59 KB  | CCC Ex (Additional information)                         | pdf<br>159.76 KB |
| 750-508                                                 | 12.07.2017 | doc<br>29.50 KB | 26.04.2023                                              |                  |

| CAD/CAE-Data         |                           |
|----------------------|---------------------------|
| CAD data             | CAE data                  |
| 2D/3D Models 750-508 | EPLAN Data Portal 750-508 |
|                      | WSCAD Universe 750-508    |
|                      | ZUKEN Portal 750-508      |

| Device Files                                       |                       |                   |  |
|----------------------------------------------------|-----------------------|-------------------|--|
| Device Driver                                      |                       |                   |  |
| WAGO USB Service Kabel Treiber / Serie 750 und 857 | 6.5.3.0<br>10.09.2014 | zip<br>4721.96 KB |  |

| 1 Compatible Products        |
|------------------------------|
| 1.1 Optional Accessories     |
| 1.1.1 DIN-rail               |
| 1.1.1.1 Mounting accessories |

|                                                                                                                                                                                                                               |                                                                                                                                                                                                                                             |                                                                                                                                                                                                                             |                                                                                                                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>Item No.: 210-196</b><br>Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored | <br><b>Item No.: 210-198</b><br>Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored                | <br><b>Item No.: 210-197</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored    | <br><b>Item No.: 210-114</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored |
| <br><b>Item No.: 210-118</b><br>Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored   | <br><b>Item No.: 210-112</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm; silver-colored | <br><b>Item No.: 210-113</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored |                                                                                                                                                                                                                             |

1.1.2 Marking

1.1.2.1 Group marker carrier



Item No.: 750-106  
Group marker carrier

1.1.2.2 Marker



Item No.: 750-100  
Marker card; as a DIN A4 sheet; plain



Item No.: 2009-145/000-006  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue



Item No.: 2009-145/000-007  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray



Item No.: 2009-145/000-023  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green



Item No.: 2009-145/000-012  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange



Item No.: 2009-145/000-005  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red



Item No.: 2009-145/000-024  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet



Item No.: 2009-145  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white



Item No.: 2009-145/000-002  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow



Item No.: 248-501/000-006  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue



Item No.: 248-501/000-007  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray



Item No.: 248-501/000-023  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green



Item No.: 248-501/000-017  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green



Item No.: 248-501/000-012  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange



Item No.: 248-501/000-005  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red



Item No.: 248-501/000-024  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet



Item No.: 248-501  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white



Item No.: 248-501/000-002  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow

1.1.2.3 Marker carrier



Item No.: 750-103  
Group marker carrier

1.1.3 Shield termination

1.1.3.1 Shield clamping saddles



Item No.: 790-108  
Shield clamping saddle; 11 mm wide; diameter of compatible conductor; 3 ... 8 mm



Item No.: 790-208  
Shield clamping saddle; 12.4 mm wide; 3 ... 8 mm



Item No.: 790-116  
Shield clamping saddle; 19 mm wide; diameter of compatible conductor; 7 ... 16 mm



Item No.: 790-216  
Shield clamping saddle; 21.8 mm wide; 6 ... 16 mm



Item No.: 790-124  
Shield clamping saddle; 27 mm wide; diameter of compatible conductor; 6 ... 24 mm



Item No.: 790-220  
Shield clamping saddle; 30 mm wide; 6 ... 20 mm



Item No.: 790-140  
Shield clamping saddle; diameter of compatible conductor



1.1.4 Supply module

1.1.4.1 Supply module



**Item No.: 750-612**  
Power Supply; 0 ... 230 V AC/DC



**Item No.: 750-602**  
Power Supply; 24 VDC



**Item No.: 750-601**  
Power Supply; 24 VDC; fuse holder



**Item No.: 750-610**  
Power Supply; 24 VDC; fuse holder; Diagnostics

1.1.5 System enclosure

1.1.5.1 System enclosure



**Item No.: 850-825**  
IP65 enclosure; Aluminium (RAL 7032); Wx-HxD (160x100x160 mm); 9 x M12, 4 x M20



**Item No.: 850-826**  
IP65 enclosure; Aluminium (RAL 7032); Wx-HxD (240x100x160 mm); 4 x M20, 4 x M16, 14 x M12 cable grip



**Item No.: 850-827**  
IP65 enclosure; Aluminium (RAL 7032); Wx-HxD (320x100x160 mm); 4 x M20, 8 x M16, 17 x M12 cable grip



**Item No.: 850-828**  
IP65 enclosure; Aluminium (RAL 7032); Wx-HxD (480x100x160 mm); 4 x M20, 10 x M16, 35 x M12 cable grip



**Item No.: 850-826/002-000**  
IP65 enclosure; Aluminium (RAL 7035); Wx-HxD (240x100x160 mm); 4 x M20, 4 x M16, 14 x M12 cable grip



**Item No.: 850-827/002-000**  
IP65 enclosure; Aluminium (RAL 7035); Wx-HxD (320x100x160 mm); 4 x M20, 8 x M16, 17 x M12 cable grip



**Item No.: 850-828/002-000**  
IP65 enclosure; Aluminium (RAL 7035); Wx-HxD (480x100x160 mm); 4 x M20, 10 x M16, 35 x M12 cable grip



**Item No.: 850-834**  
IP65 enclosure; Polyester (RAL 7032); Wx-HxD (164x100x164 mm); 9 x M12, 4 x M20



**Item No.: 850-835**  
IP65 enclosure; Polyester (RAL 7032); Wx-HxD (244x100x164 mm); 4 x M20, 4 x M16, 14 x M12 cable grip



**Item No.: 850-836**  
IP65 enclosure; Polyester (RAL 7032); Wx-HxD (324x100x164 mm); 4 x M20, 8 x M16, 17 x M12 cable grip



**Item No.: 850-814/002-000**  
IP65 enclosure; Sheet steel (RAL 7035); Wx-HxD (200x120x200 mm); without flange plate



**Item No.: 850-815/002-000**  
IP65 enclosure; Sheet steel (RAL 7035); Wx-HxD (300x120x200 mm); without flange plate



**Item No.: 850-816/002-000**  
IP65 enclosure; Sheet steel (RAL 7035); Wx-HxD (400x120x200 mm); without flange plate



**Item No.: 850-817/002-000**  
IP65 enclosure; Sheet steel (RAL 7035); Wx-HxD (600x120x200 mm); without flange plate