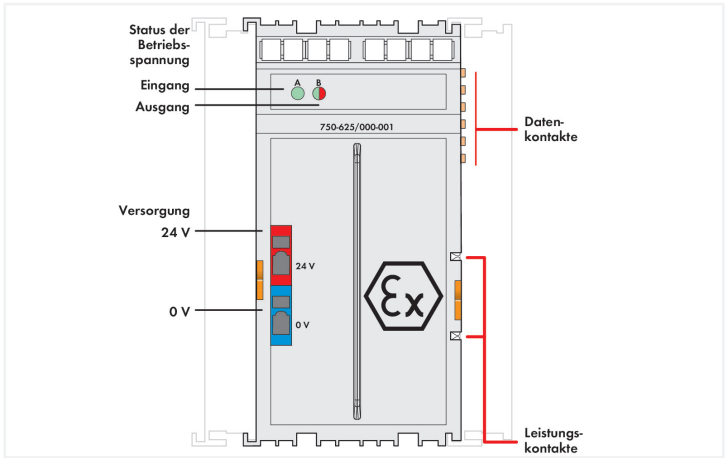
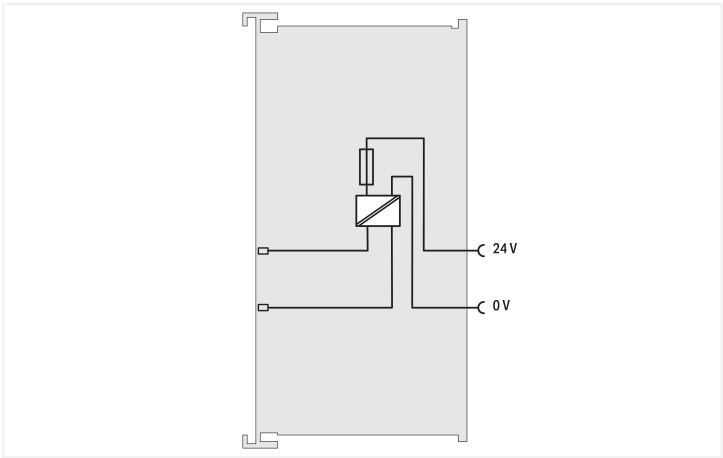
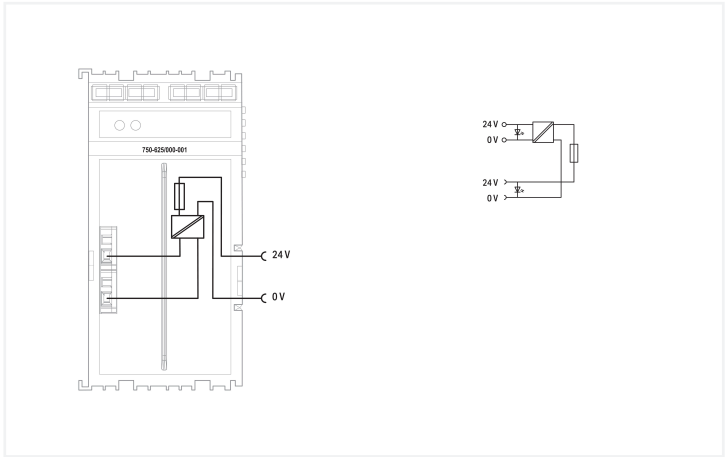
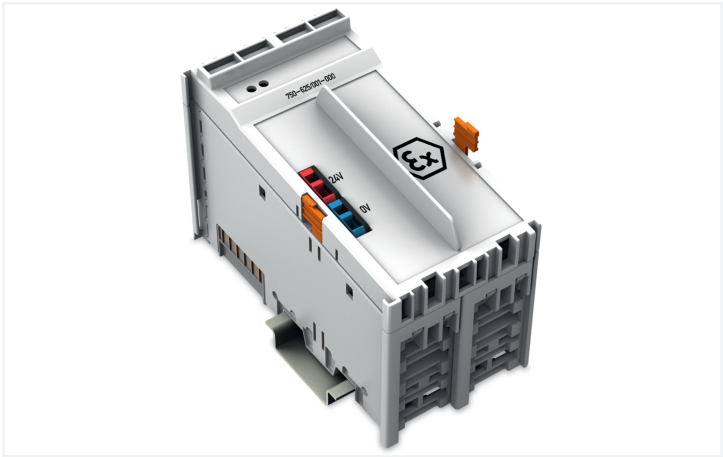




**Note:**  
For this item, a successor is available: [750-606](#)

This supply module powers all intrinsically safe 750 Series Ex i Modules. It also monitors the power supply to the downstream Ex i segment and separates the intrinsically safe from the non-intrinsically safe section of the WAGO I/O System 750. The input and output sides are electrically isolated from each other.

The maximum current provided by the supply module is 1.0 A. When configuring the Ex i segment, the total current must not be exceeded. In the event of a short circuit or overload, electronic monitoring automatically switches off the output voltage. After eliminating the fault, the output voltage is reactivated within approximately ten seconds. If, due to load conditions, more than one supply module is required per station, four distance modules (750-616) must be placed between the intrinsically safe sections.

- **Indicators:** Green LED (input voltage)
- Green/red LED (output voltage available/not available)

| Notes |                                                                                                                               |
|-------|-------------------------------------------------------------------------------------------------------------------------------|
| Note  | General information (e.g., installation regulations) on explosion protection is available in the WAGO I/O System 750 manuals! |



| Technical data                                    |                                                                                                                                                                                                      |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Item description                                  | Power Supply; 24 VDC                                                                                                                                                                                 |
| Supply voltage                                    | 24 VDC; (-25 % ... +30 %); input voltage                                                                                                                                                             |
| Fuse                                              | electronic                                                                                                                                                                                           |
| Intrinsically safe Ex i                           | Yes                                                                                                                                                                                                  |
| Supply voltage (system)                           | 5 VDC; via data contacts                                                                                                                                                                             |
| Current consumption (5 V system supply)           | 7.5 mA                                                                                                                                                                                               |
| Supply voltage (field)                            | 24 VDC (-25 ... +30 %); (Adjacent Ex i modules are supplied with U <sub>o</sub> = max. 27.3 V); via power jumper contacts (power supply via CAGE CLAMP® connection; transmission via spring contact) |
| Power consumption P <sub>max</sub>                | 29 W                                                                                                                                                                                                 |
| Power loss P <sub>l</sub>                         | < 5 W                                                                                                                                                                                                |
| Number of outgoing power jumper contacts          | 2                                                                                                                                                                                                    |
| Current carrying capacity (power jumper contacts) | 1 A                                                                                                                                                                                                  |
| Indicators                                        | LED (A) green: operating voltage status: input; LED (B) green/red: operating voltage status: output                                                                                                  |

| Explosion protection  |                                                                                                                                                                                                                                                                                                                                 |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Identification        | <b>ATEX:</b> II 3 (1) G Ex ec [ia Ga] IIC T4 Gc; II (1) D [Ex ia Da] IIIC; I (M1) [Ex ia Ma] I<br><b>IECEx/INMETRO:</b> Ex ec [ia Ga] IIC T4 Gc; [Ex ia Da] IIIC; [Ex ia Ma] I<br><b>cULus (Zone classified):</b> AEx nA IIC T4 Gc; Ex nA IIC T4 Gc X<br><b>cULus (Devision classified):</b> Class I, Div. 2, Group A B C D, T4 |
| Ex standard           | EN IEC 60079-0, -7, -11                                                                                                                                                                                                                                                                                                         |
| Power supply (output) | U <sub>o</sub> = 26.8 V (safe voltage per IEC 60079-11, protection level ia); U <sub>n</sub> = 24 V ± 0.3 V, I <sub>n</sub> = 1 A                                                                                                                                                                                               |
| Power supply (input)  | U <sub>n</sub> = 24 VDC (-25 % ... +30 %); P <sub>max</sub> = 29 W; U <sub>m</sub> = 253 V                                                                                                                                                                                                                                      |

| Connection data                     |                                  |
|-------------------------------------|----------------------------------|
| Connectable conductor materials     | Copper                           |
| Connection type                     | Field supply                     |
| Solid conductor                     | 0.08 ... 1.5 mm² / 28 ... 14 AWG |
| Fine-stranded conductor             | 0.08 ... 1.5 mm² / 28 ... 14 AWG |
| Strip length                        | 5 ... 6 mm / 0.2 ... 0.24 inches |
| Note (conductor cross-section)      | 14 AWG: THHN, THWN               |
| Connection technology: field supply | 2 x CAGE CLAMP®                  |

| Physical data                     |                        |
|-----------------------------------|------------------------|
| Width                             | 48 mm / 1.89 inches    |
| Height                            | 100 mm / 3.937 inches  |
| Depth                             | 70.9 mm / 2.791 inches |
| Depth from upper-edge of DIN-rail | 63.7 mm / 2.508 inches |

| Mechanical data |             |
|-----------------|-------------|
| Mounting type   | DIN-35 rail |



| Material data      |                              |  |
|--------------------|------------------------------|--|
| Housing material   | Polycarbonate; polyamide 6.6 |  |
| Fire load          | 2.599 MJ                     |  |
| Weight             | 167 g                        |  |
| Conformity marking | CE                           |  |

| Environmental requirements                                                         |                                                                                                        |  |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|--|
| Ambient temperature (operation)                                                    | 0 ... +55 °C                                                                                           |  |
| Ambient temperature (storage)                                                      | -25 ... +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                                                                  |  |
| 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                  | 4045454971564   |  |
| Customs tariff number | 85389091890     |  |

| Product classification |                      |  |
|------------------------|----------------------|--|
| UNSPSC                 | 39121004             |  |
| eCl@ss 10.0            | 27-24-26-10          |  |
| eCl@ss 9.0             | 27-24-26-10          |  |
| ETIM 9.0               | EC001600             |  |
| ETIM 8.0               | EC001600             |  |
| ECCN                   | NO US CLASSIFICATION |  |

| Environmental Product Compliance          |                                      |  |
|-------------------------------------------|--------------------------------------|--|
| RoHS Compliance Status                    | Compliant, No Exemption              |  |
| SCIP notification number (Bulgaria)       | cbe560d0-a0b7-42f7-8844-dfdbb93ad32e |  |
| SCIP notification number (Czech Republic) | 72535edf-73da-48ed-bbf9-19d23d334ea0 |  |



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-SPP750 |
| UL<br>Underwriters Laboratories Inc. (ORDINARY LOCATIONS) | -                      | E175199             |

Declarations of conformity and manufacturer's declarations

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

Approvals for marine applications



| Approval                           | Standard               | Certificate Name  |
|------------------------------------|------------------------|-------------------|
| ABS<br>American Bureau of Shipping | -                      | 22-2219060        |
| 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                                                        |
|------------------------------------------------------------|------------------------------|-------------------------------------------------------------------------|
| AEx<br>UL International Germany GmbH                       | PTB 0102 Ex<br>UL 60079      | E480271                                                                 |
| ATEX<br>TUEV Nord Cert GmbH                                | EN 60079-0                   | TUEV12ATEX106032X (Ex ec[iaGa] IIC T4 Gc, [Ex ia-Da] IIIC, [Ex iaMa] I) |
| CCC<br>CNEX                                                | CNCA-C23-01                  | 2020312310000211 (Ex ec IIC T4 Gc)                                      |
| INMETRO<br>TÜV Rheinland do Brasil Ltda.                   | -                            | TÜV_14.1911_X                                                           |
| KTL<br>Korea Testing Laboratory                            | KOSHA Article 34, IEC60079-0 | 20-KA4BO-0093X                                                          |
| UKEx<br>Element Materials Technology UK                    | -                            | EMA21UKEx0069X                                                          |
| UL<br>Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS) | UL 121201                    | E198726                                                                 |

Downloads

Environmental Product Compliance

| Compliance Search                                   |
|-----------------------------------------------------|
| Environmental Product Compliance<br>750-625/000-001 |



| Documentation                                        |  |  |                                                         |               |
|------------------------------------------------------|--|--|---------------------------------------------------------|---------------|
| Manual                                               |  |  | System Description                                      |               |
| System Manual Series 750/753                         |  |  | 750/753 Series I/O-System – General Product Information | pdf 953.35 KB |
| Product Manual 24VDC 1.0A Ex i power supply          |  |  | Overview on WAGO-I/O-SYSTEM 750 approvals               | pdf 770.48 KB |
| 1026836875   3   en-US   2024-12-09 13:28 17.12.2024 |  |  | Ex i Overview                                           | pdf 442.07 KB |
| 3316.79 KB                                           |  |  |                                                         |               |
| Bid Text                                             |  |  | Instruction Leaflet                                     |               |
| 750-625/000-001                                      |  |  | CCC Ex (Additional information)                         | pdf 143.96 KB |
| 19.02.2019                                           |  |  | 26.04.2023                                              |               |
| xml 5.65 KB                                          |  |  |                                                         |               |
| 750-625/000-001                                      |  |  |                                                         |               |
| 06.10.2017                                           |  |  |                                                         |               |
| doc 29.00 KB                                         |  |  |                                                         |               |

| CAD/CAE-Data                 |                                   |
|------------------------------|-----------------------------------|
| CAD data                     | CAE data                          |
| 2D/3D Models 750-625/000-001 | EPLAN Data Portal 750-625/000-001 |
|                              | WSCAD Universe 750-625/000-001    |
|                              | ZUKEN Portal 750-625/000-001      |

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

| 1 Compatible Products                                                                                                                   |                                                                                                                                |                                                                                                                                       |                                                                                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| 1.1 Optional Accessories                                                                                                                |                                                                                                                                |                                                                                                                                       |                                                                                                                                               |
| 1.1.1 DIN-rail                                                                                                                          |                                                                                                                                |                                                                                                                                       |                                                                                                                                               |
| 1.1.1.1 Mounting accessories                                                                                                            |                                                                                                                                |                                                                                                                                       |                                                                                                                                               |
|                                                                                                                                         |                                                                                                                                |                                                                                                                                       |                                                                                                                                               |
| Item No.: 210-196<br>Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored         | Item No.: 210-198<br>Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored | Item No.: 210-508<br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715; silver-colored | Item No.: 210-197<br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored                     |
|                                                                                                                                         |                                                                                                                                |                                                                                                                                       |                                                                                                                                               |
| Item No.: 210-506<br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715; silver-colored | Item No.: 210-114<br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored    | Item No.: 210-118<br>Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored         | Item No.: 210-115<br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm; silver-colored |



1.1.1.1 Mounting accessories



**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; silver-colored



**Item No.: 210-504**  
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715; silver-colored



**Item No.: 210-113**  
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored



**Item No.: 210-505**  
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; 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.: 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 Tool

1.1.4.1 Operating tool



**Item No.: 210-719**  
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft