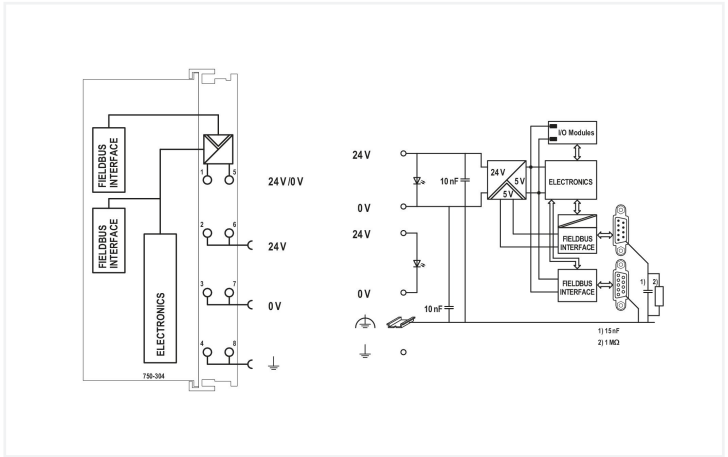
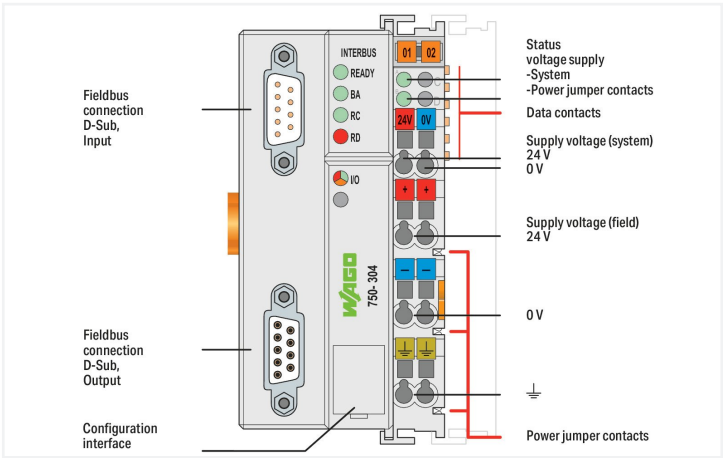




Color: ■ light gray



This fieldbus coupler connects the WAGO I/O System as a slave to INTERBUS.

The fieldbus coupler detects all connected I/O modules and creates a local process image. This process image may include a mixed arrangement of analog (word-by-word data transfer) and digital (bit-by-bit data transfer) modules.

The process image can be transferred via the INTERBUS fieldbus to the memory of the control system.

The local process image is divided into two data zones containing the data received and the data to be sent. The process data can be sent via the INTERBUS fieldbus to a control system for further processing. The process output data is sent via the INTERBUS.

The data of the analog modules is stored in the process image that is created automatically according to the order in which the modules are connected to the coupler. The bits of the digital modules are sent byte by byte and added to the analog data. If the amount of digital I/O information exceeds eight bits, the coupler automatically starts with a new byte.

| Technical data                                 |                                                                          |
|------------------------------------------------|--------------------------------------------------------------------------|
| Communication                                  | INTERBUS                                                                 |
| Number of fieldbus nodes on master (max.)      | 256                                                                      |
| Number of I/O points                           | 4096                                                                     |
| Baud rate                                      | 500 kBd                                                                  |
| Bus segment length (max.)                      | 400 m                                                                    |
| Transmission medium                            | Certified Cu cable                                                       |
| Transmission time                              | 1.43 ms (10 couplers; each 32 digital I/O)                               |
| Number of modules per node (max.)              | 64                                                                       |
| Input and output process image (fieldbus) max. | 64 bytes/64 bytes                                                        |
| Supply voltage (system)                        | 24 VDC (-15 ... +20 %); via pluggable connector (CAGE CLAMP® connection) |
| Current consumption (5 V system supply)        | 300 mA                                                                   |
| Total current (system supply)                  | 1700 mA                                                                  |



| Technical data                                        |                                                   |  |
|-------------------------------------------------------|---------------------------------------------------|--|
| Supply voltage (field)                                | 24 VDC (-15 ... +20 %); via power jumper contacts |  |
| Input current (typ.) at nominal load (24 V)           | 500 mA                                            |  |
| Power supply efficiency (typ.) at nominal load (24 V) | 87 %                                              |  |
| Isolation                                             | 500 V system/field                                |  |
| Number of outgoing power jumper contacts              | 3                                                 |  |
| Current carrying capacity (power jumper contacts)     | 10 A                                              |  |
| Certification                                         | INTERBUS CLUB                                     |  |
| Standard                                              | EN 50254                                          |  |

| Connection data                               |                                             |  |
|-----------------------------------------------|---------------------------------------------|--|
| Connection technology: communication/fieldbus | INTERBUS: 1 x D-Sub 9 plug / D-Sub 9 socket |  |
| Connection technology: field supply           | 6 x CAGE CLAMP®                             |  |
| Connection technology: system supply          | 2 x CAGE CLAMP®                             |  |
| Connection technology: device configuration   | 1 x Male connector; 4-pole                  |  |
| Connection type 1                             | System/field supply                         |  |
| Solid conductor                               | 0.08 ... 2.5 mm² / 28 ... 14 AWG            |  |
| Fine-stranded conductor                       | 0.08 ... 2.5 mm² / 28 ... 14 AWG            |  |
| Strip length                                  | 8 ... 9 mm / 0.31 ... 0.35 inches           |  |

| Physical data                     |                        |  |
|-----------------------------------|------------------------|--|
| Width                             | 50.5 mm / 1.988 inches |  |
| Height                            | 100 mm / 3.937 inches  |  |
| Depth                             | 71.1 mm / 2.799 inches |  |
| Depth from upper-edge of DIN-rail | 63.9 mm / 2.516 inches |  |

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

| Material data      |                              |  |
|--------------------|------------------------------|--|
| Color              | light gray                   |  |
| Housing material   | Polycarbonate; polyamide 6.6 |  |
| Fire load          | 3.626 MJ                     |  |
| Weight             | 187 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 (standing/lying); vertical |  |
| Relative humidity (without condensation)                                           | 95 %                                  |  |
| Vibration resistance                                                               | per IEC 60068-2-6                     |  |
| Shock resistance                                                                   | 15g per IEC 60068-2-27                |  |
| EMC immunity to interference                                                       | per EN 61000-6-2                      |  |
| EMC emission of interference                                                       | per 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 (I/O System) |  |
| eCl@ss 10.0           | 27-24-26-07     |  |
| eCl@ss 9.0            | 27-24-26-07     |  |
| ETIM 8.0              | EC001603        |  |
| ETIM 7.0              | EC001603        |  |
| PU (SPU)              | 1 pcs           |  |
| Packaging type        | Box             |  |
| Country of origin     | DE              |  |
| GTIN                  | 4045454526405   |  |
| Customs tariff number | 85176200000     |  |

| Environmental Product Compliance          |                                                                                                                                                                                                  |  |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| CAS-No.                                   | 11120-22-2<br>12060-00-3<br>1303-86-2<br>1317-36-8<br>25550-51-0<br>7439-92-1<br>79-94-7                                                                                                         |  |
| REACH Candidate List Substance            | 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol<br>4-Methyl-1,2-cyclohexanedicarboxylic anhydride<br>Diboron trioxide<br>Lead<br>Lead monoxide<br>Lead silicate<br>Lead titanium oxide (PbTiO3) |  |
| RoHS Compliance Status                    | Compliant,With Exemption                                                                                                                                                                         |  |
| RoHS Exemption                            | 6(c)<br>7(a)<br>7(c)-I<br>7(c)-II                                                                                                                                                                |  |
| SCIP notification number (Bulgaria)       | 9a862764-8550-411d-9893-8023ac806499                                                                                                                                                             |  |
| SCIP notification number (Czech Republic) | 9acdaffb-a538-45d2-9d1e-a29152554944                                                                                                                                                             |  |

| Approvals / Certificates                                                                                                                                                                                                                                   |                        |                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------|
| General approvals                                                                                                                                                                                                                                          |                        | Declarations of conformity and manufacturer's declarations |
|    |                        |                                                            |
| Approval                                                                                                                                                                                                                                                   | Standard               | Certificate Name                                           |
| EAC<br>Brjansker Zertifizierungs-<br>stelle                                                                                                                                                                                                                | TP TC 020/2011         | EAC RU C-DE.AM02.<br>B.00087/19                            |
| KC<br>National Radio Research<br>Agency                                                                                                                                                                                                                    | Article 58-2, Clause 3 | MSIP-REM-W43-FBC750                                        |
| UL<br>Underwriters Laboratories<br>Inc. (ORDINARY LOCATI-<br>ONS)                                                                                                                                                                                          | UL 508                 | E175199 Sec.1                                              |
| Approval                                                                                                                                                                                                                                                   | Standard               | Certificate Name                                           |
| EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG                                                                                                                                                                                                    | -                      | -                                                          |
| UK-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG                                                                                                                                                                                                    | -                      | -                                                          |



Approvals for hazardous areas

| <div><div><div>PTB</div><div>0102</div></div><div><div>Ex</div><div></div></div><div><div>EH</div><div></div></div><div><div>Ex</div><div></div></div><div><div>IECEX</div></div><div><div>UL</div></div></div> |                |                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------------------------------------------------|
| 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/CNEC                                                                                                                                                                                              | CNCA-C23-01    | 2020312310000213 (Ex ec IIC T4 Gc)                |
| EAC<br>Brjansker Zertifizierungsstelle                                                                                                                                                                          | TP TC 012/2011 | EAC RU C-DE.AM02. B.00163/19 (2Ex nA IIC T4 Gc X) |
| IECEX<br>TUEV Nord Cert GmbH                                                                                                                                                                                    | IEC 60079-0    | IECEX TUN 14.0035 X (Ex ec IIC T4 Gc)             |
| INMETRO<br>TÜV Rheinland do Brasil Ltda.                                                                                                                                                                        | IEC 60079-0    | BR-Ex_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 Sec.1                                     |

Downloads

Environmental Product Compliance

| Compliance Search                        |
|------------------------------------------|
| Environmental Product Compliance 750-304 |

Documentation

| Manual                                    |                       |                   |   |
|-------------------------------------------|-----------------------|-------------------|---|
| Product Manual INTER-BUS Fieldbus Coupler | V 2.2.2               | pdf<br>4350.52 KB | ↓ |
| System Manual WAGO I/O System 750/753     | V 3.3.3<br>29.08.2023 | pdf<br>8512.61 KB | ↓ |
| System Manual Series 750/753              |                       |                   | ↓ |

| System Description                                      |                  |   |
|---------------------------------------------------------|------------------|---|
| 750/753 Series I/O-System – General Product Information | pdf<br>953.35 KB | ↓ |
| Overview on WAGO-I/O-SYSTEM 750 approvals               | pdf<br>770.48 KB | ↓ |

| Bid Text |            |                 |   |
|----------|------------|-----------------|---|
| 750-304  | 19.02.2019 | xml<br>6.30 KB  | ↓ |
| 750-304  | 21.07.2017 | doc<br>29.50 KB | ↓ |

| Instruction Leaflet             |            |                  |
|---------------------------------|------------|------------------|
| CCC Ex (Additional information) | 26.04.2023 | pdf<br>159.76 KB |



| CAD/CAE-Data                                                     |                                                                       |
|------------------------------------------------------------------|-----------------------------------------------------------------------|
| <div>CAD data</div> <div>2D/3D Models 750-304</div> <div>↓</div> | <div>CAE data</div> <div>EPLAN Data Portal 750-304</div> <div>↓</div> |
|                                                                  | <div>WSCAD Universe 750-304</div> <div>↓</div>                        |
|                                                                  | <div>ZUKEN Portal 750-304</div> <div>↓</div>                          |

| Runtime Software                    |                    |                  |   |
|-------------------------------------|--------------------|------------------|---|
| Firmware                            |                    |                  |   |
| 0750-0304, Feldbus-koppler INTERBUS | V 06<br>18.10.2021 | zip<br>453.55 KB | ↓ |

| 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 Cables and connectors |
| 1.1.1.1 Connector plug      |



|                                                                                                            |                                                                                                           |
|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| <a href="#">Item No.: 750-961</a><br>INTERBUS fieldbus connector (IN); with D-sub female connector; 9-pole | <a href="#">Item No.: 750-962</a><br>INTERBUS fieldbus connector (OUT); with D-sub male connector; 9-pole |
|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|

| 1.1.2 Communication                                                                       |                                                                                                 |
|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| 1.1.2.1 Communication cable                                                               |                                                                                                 |
|        |              |
| <a href="#">Item No.: 750-923</a><br>Configuration cable; USB connector;<br>Length: 2.5 m | <a href="#">Item No.: 750-923/000-001</a><br>Configuration cable; USB connector;<br>Length: 5 m |

### 1.1.3 DIN-rail

#### 1.1.3.1 Mounting accessories



##### Item No.: 210-196

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

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

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

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

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

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

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

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



##### 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

### 1.1.4 Marking

#### 1.1.4.1 Group marker carrier



##### Item No.: 750-106

Group marker carrier

#### 1.1.4.2 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

1.1.4.3 Marker carrier



Item No.: 750-103  
Group marker carrier

1.1.5 Shield termination

1.1.5.1 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

1.1.6 System enclosure

1.1.6.1 System enclosure



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



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



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



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



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



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



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



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



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



Item No.: 850-836  
IP65 enclosure; Polyester (RAL 7032); WxHxD (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); WxHxD (200x120x200 mm); without flange plate



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



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



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