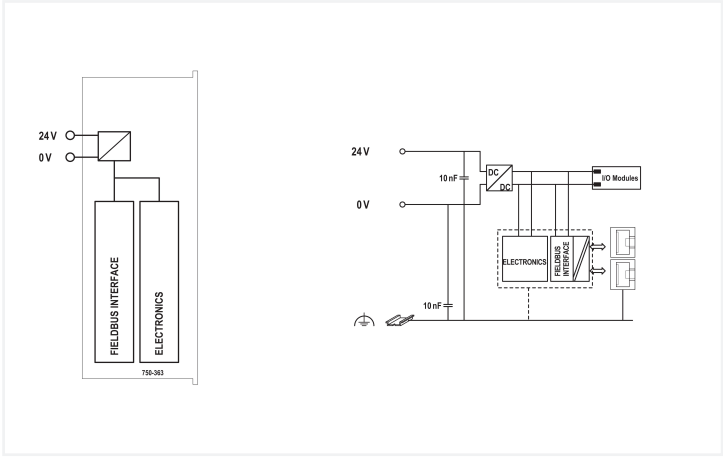
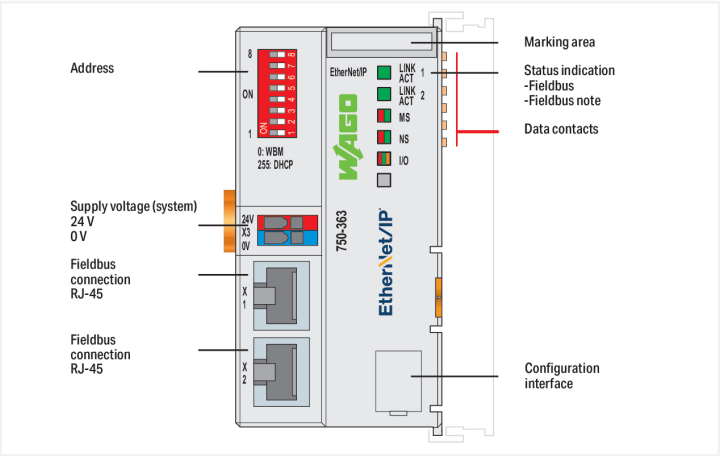
# Data Sheet | Item Number: 750-363

Fieldbus Coupler EtherNet/IP; 4th generation; ECO

https://www.wago.com/750-363






The 750-363 EtherNet/IP Fieldbus Coupler connects the EtherNet/IP fieldbus system to the modular WAGO I/O System.
The fieldbus coupler detects all connected I/O modules and creates a local process image.
Two ETHERNET interfaces and an integrated switch allow the fieldbus to be wired in a line topology, eliminating the need for additional network devices, such as switches or hubs.
Both interfaces support autonegotiation and Auto-MDI(X).
The DIP switch configures the last byte of the IP address and may be used for IP address assignment (DHCP, BootP, static).

The coupler is designed for fieldbus communication in EtherNet/IP networks. It also supports a wide variety of standard ETHERNET protocols (e.g., HTTP(S), BootP, DHCP, DNS, SNMP, (S)FTP). An integrated Webserver provides user configuration options, while displaying the coupler's status information.
The system supply is provided directly by the coupler. The field supply is provided via a separate supply module.

## Technical data

| | |
|---|---|
| Communications | EtherNet/IP™ |
| ETHERNET protocols | HTTP(S)<br>BootP<br>DHCP<br>DNS<br>SNTP<br>FTP(S)<br>SNMP |
| Transmission rate | 10/100 Mbit/s |
| Transmission medium (communication/fieldbus) | Twisted pair S-UTP; 100 Ω; Cat. 5; 100 m maximum cable length |
| Transmission performance | Class D per EN 50173 |
| Number of modules per node (max.) | 250 |
| Number of modules without a bus extension (max.) | 64 |
| Configuration options | WAGO-I/O-*CHECK*<br>Web-Based Management |
| Input and output process image (fieldbus) max. | 1020 words/1020 words |

## Technical data

| | |
|---|---|
| Supply voltage (system) | 24 VDC, SELV/PELV (-25 … +30 %); via wiring interface (CAGE CLAMP® connection); External fuse required: 2 A slow-blow |
| Current consumption (system supply) | 350 mA |
| Total current (system supply) | 700 mA |
| Input current (typ.) at nominal load (24 V) | 280 mA |
| Power supply efficiency (typ.) at nominal load (24 V) | 90 % |
| Indicators | LED (LINK/ACT) green: Network connection via ports 1 … 2; LED (MS, NS) red/green: Status of node, network; LED (I/O) red/green/orange: Status of local data bus |

## Safety and protection

| | |
|---|---|
| Protection type | IP20 |
| Pollution degree | 2 per IEC 61131-2 |
| Isolation | 500 V system/field |

## Connection Data

| | |
|---|---|
| Connection technology: communication/fieldbus | EtherNet/IP™: 2 x RJ-45 |
| Connection technology: system supply | 2 x CAGE CLAMP® |
| Connectable conductor materials | Copper |
| Connection type | System 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 |
| Connection technology: device configuration | 1 x Male connector; 4-pole |

## Physical data

| | |
|---|---|
| Width | 49.5 mm / 1.949 inches |
| Height | 96.8 mm / 3.811 inches |
| Depth | 71.9 mm / 2.831 inches |
| Depth from upper-edge of DIN-rail | 64.7 mm / 2.547 inches |

## Mechanical data

| | |
|---|---|
| Mounting type | DIN-35 rail |

## Material data

| | |
|---|---|
| Housing material | Polycarbonate; polyamide 6.6 |
| Fire load | 1.36 MJ |
| Weight | 104.1 g |
| Conformity marking | CE |

## Environmental requirements

| | |
|---|---|
| Ambient temperature (operation) | 0 … +55 °C |
| Ambient temperature (storage) | -25 … +85 °C |
| 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 |


Continued on next page

## Environmental requirements

| | |
|---|---|
| Permissible $H_2S$ contaminant concentration at a relative humidity 75 % | 10 ppm |
| Permissible $SO_2$ contaminant concentration at a relative humidity 75 % | 25 ppm |

## Data Act

| | |
|---|---|
| Pre-contractual Information | <a href="https://www.wago.com/de/d/Data-Act-750-Series-Coupler">Data-Act-750-Series-Coupler</a> |

## Commercial data

| | |
|---|---|
| PU (SPU) | 1 pcs |
| Packaging type | Box |
| Country of origin | DE |
| GTIN | 4055143889827 |
| Customs tariff number | 85371091990 |

## Product Classification

| | |
|---|---|
| UNSPSC | 32151705 |
| ETIM 9.0 | EC001603 |
| ETIM 10.0 | EC001603 |
| 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 | 6(c)<br>7(a)<br>7(c)-I<br>7(c)-II |
| SCIP notification number (Austria) | 59c453fd-70c4-4e47-b49d-8defb2a7ccef |
| SCIP notification number (Belgium) | 1c66d48e-1702-40e1-bf5e-b8bdec11ddee |
| SCIP notification number (Bulgaria) | bd8609cf-ee48-45ea-a0d7-47b44ed2126c |
| SCIP notification number (Czech Republic) | 5ad1b193-b252-428e-86d7-3fa4f6062798 |
| SCIP notification number (Denmark) | 5812fd50-e573-449e-a93a-b4f504284823 |
| SCIP notification number (Finland) | 56990278-77b2-4a0b-b0b3-cf4a928add02 |
| SCIP notification number (France) | 521957da-c3a3-4dad-8385-702e91ec72a5 |
| SCIP notification number (Germany) | 92d75989-0819-4a59-b0d8-3e2cc5b6d2a2 |
| SCIP notification number (Hungary) | fef60e02-fb4c-4dc4-8d09-04cd04fa138a |
| SCIP notification number (Italy) | 62a7f694-5ac0-4536-9f00-40fdf0f55727 |
| SCIP notification number (Netherlands) | 53257eb2-f811-40ba-95c6-04f52ec82152 |
| SCIP notification number (Poland) | 6d189cf5-f37e-41ab-97c0-d9b46d1f5fb8 |
| SCIP notification number (Romania) | 2b719490-5c85-48ea-b7d0-8dd3a043cd90 |
| SCIP notification number (Sweden) | fe1f1e91-711a-4335-a2e9-81f099e87b6b |


Continued on next page

## 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-FBC750 |
| UL<br>Underwriters Laboratories Inc. (ORDINARY LOCATIONS) | - | E175199 |

### Declarations of conformity and manufacturer's declarations

| Approval | Standard | Certificate Name |
|---|---|---|
| EU-Declaration of Conformity<br>WAGO GmbH & Co. KG | - | - |
| UK-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 Seeschiffahrt und Hydrographie | - | 1104 |
| BV<br>Bureau Veritas S.A. | Rules for class. of Steel Ships | 66711/A0 |
| 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) |
| 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 | 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 750-363


Continued on next page

## Documentation

### Manual

| | | | |
|---|---|---|---|
| Product Manual FC EtherNet/IP; G4; ECO | V 1.1.0<br>16.09.2021 | pdf<br>4465.54 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

| | | | |
|---|---|---|---|
| 750-363 | 22.05.2019 | xml<br>7.21 KB | |
| 750-363 | 22.05.2019 | docx<br>17.68 KB | |

### Instruction Leaflet

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

## Application Notes

### Application Note CoDeSys 2.3

| | | | |
|---|---|---|---|
| Application note 750-363 Ethernet Coupler as Remote IO with a CompactLogix PLC (a2020001) | 2020-09-21<br>21.09.2020 | pdf<br>2590.69 KB | |

### Application note, other

| | | | |
|---|---|---|---|
| Connection of a WAGO ETHERNET Controller to a S7-1500 controller (a101401) | 1.0.0 | zip<br>323.48 KB | |

## CAD/CAE-Data

### CAD data

| | | | |
|---|---|---|---|
| 2D/3D Models 750-363 | | | |

### CAE data

| | | | |
|---|---|---|---|
| EPLAN Data Portal 750-363 | | | |
| ZUKEN Portal 750-363 | | | |

## Engineering-Software

### Configuration and Commissioning Software

| | | | |
|---|---|---|---|
| WAGO Ethernet Settings | | | |
| (759-316) WAGO Ethernet Settings / Serie 750 | 06.18.01.01<br>02.09.2021 | zip<br>26678.54 KB | |

## Runtime Software

### Firmware

| | | | |
|---|---|---|---|
| 0750-036x, Feldbuskoppler | V 12<br>06.05.2024 | zip<br>3652.00 KB | |


Continued on next page

## Libraries

**Device Description File**

| | | | |
|---|---|---|---|
| 750-919; EDS file for Ethernet/IP / 750-363, 750-366, 750-823, 750-893 | 1.7<br>14.06.2023 | zip<br>17.38 KB | |

# 1 Compatible Products

## 1.1 Optional Accessories

### 1.1.1 Cables and connectors

#### 1.1.1.1 Connector plug



Item No.: 750-979/000-011
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 22; Strain relief



Item No.: 750-979/000-021
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 24; Strain relief



Item No.: 750-979/000-012
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 22; Strain relief



Item No.: 750-979/000-022
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 24; Strain relief



Item No.: 750-977/000-011
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22



Item No.: 750-978/000-011
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22; Strain relief



Item No.: 750-977/000-021
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24



Item No.: 750-978/000-021
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24; Strain relief



Item No.: 750-977/000-012
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22



Item No.: 750-978/000-012
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22; Strain relief



Item No.: 750-977/000-022
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24



Item No.: 750-978/000-022
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24; Strain relief



Item No.: 750-975
ETHERNET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly

### 1.1.2 Communication

#### 1.1.2.1 Communication cable



Item No.: 750-923
Configuration cable; USB connector; Length: 2.5 m



Item No.: 750-923/000-001
Configuration cable; USB connector; 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.: 210-197
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored



Item No.: 210-114
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.: 210-112
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.: 210-113
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored


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## 1.1.4 Marking

### 1.1.4.1 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

## 1.1.5 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


Continued on next page

### 1.1.6.1 System enclosure



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