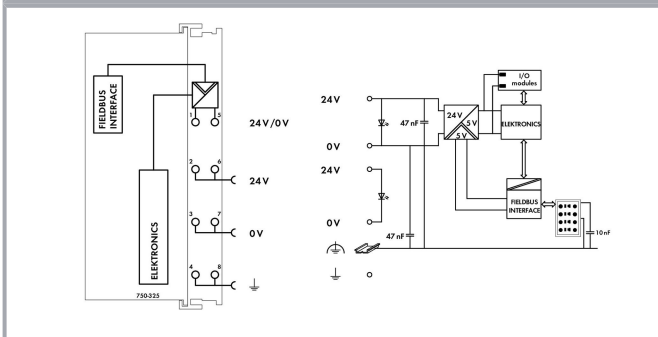
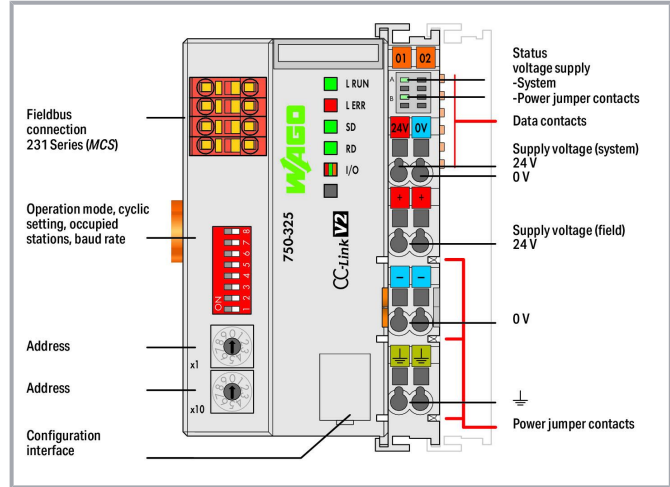


Color:



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Do you have any questions about our products?
 We are always happy to take your call at +49 (571) 887-44222.



Item description

This fieldbus coupler connects the WAGO I/O System as a slave to the CC-Link fieldbus. The fieldbus coupler supports the CC-Link protocol versions V1.1. and V2.0.

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 CC-Link 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 CC-Link protocol to a control system for further processing. The process output data is sent via the CC-Link protocol.

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.

Data

Technical data

| | |
|---|--|
| Communication | CC-Link |
| Device-specific | Operating mode: CC-Link V2.0 (default setting)/V1.1; Advanced cycle setting: 1, 2, 4 (default setting), 8 cycles |
| Number of fieldbus nodes on master (max.) | 64 |
| Baud rate | 156 kBd ... 10 MBd |
| Bus segment length (max.) | 1200 m |
| Transmission medium | Shielded Cu cable 2 / 3 x 0.5 mm ² |
| Station addresses | 1 ... 4 / 4 (default setting) |
| Number of modules per node (max.) | 64 |
| Input process image note | RX (digital inputs): V1.1: 16, 48, 80, 112 bits; V2.0: 16, 48, 80, 112 bits (1 cycle); V2.0: 16, 80, 144, 208 bits (2 cycles); V2.0: 48, 176, 304, 432 bits (4 cycles); V2.0: 112, 368, 624, 880 bits (8 cycles) and 16 bits per system area; RWr (analog inputs): V1.1: 4, 8, 12, 16 words (16 bits); V2.0: 4, 8, 12, 16 words (1 cycle); V2.0: 8, 16, 24, 32 words (2 cycles); V2.0: 16, 32, 48, 64 words (4 cycles); V2.0: 32, 64, 96, 128 words (8 cycles) |
| Output process image note | RY (digital outputs): V1.1: 16, 48, 80, 112 bits; V2.0: 16, 48, 80, 112 bits (1 cycle); V2.0: 16, 80, 144, 208 bits (2 cycles); V2.0: 48, 176, |

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304, 432 bits (4 cycles); V2.0: 112, 368, 624, 880 bits (8 cycles) and 16 bits per system area; RWw (analog outputs): V1.1: 4, 8, 12, 16 words (16 bits); V2.0: 4, 8, 12, 16 words (1 cycle); V2.0: 8, 16, 24, 32 words (2 cycles); V2.0: 16, 32, 48, 64 words (4 cycles); V2.0: 32, 64, 96, 128 words (8 cycles)

| | |
|---|--|
| Supply voltage (system) | 24 VDC (-25 ... +30 %); via pluggable connector (CAGE CLAMP® connection) |
| Power consumption (5 V system supply) | 200 mA |
| Total current (system supply) | 1,800 mA |
| Supply voltage (field) | 24 VDC (-25 ... +30 %); via power jumper contacts |
| Input current (typ.) at nominal load (24 V) | 600 mA |
| Power supply efficiency (typ.) at nominal load (24 V) | 90 % |
| Isolation | 500 V system/field |
| Number of outgoing power jumper contacts | 3 |
| Current carrying capacity (power jumper contacts) | 10 A |

Connection data

| | |
|---|--|
| Connection technology: communication/fieldbus | CC-Link: 1 x Male connector; 4-pole |
| 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 mm ² / 28 ... 14 AWG |
| Fine-stranded conductor | 0.08 ... 2.5 mm ² / 28 ... 14 AWG |
| Strip length | 8 ... 9 mm / 0.31 ... 0.35 inch |

Physical data

| | |
|-----------------------------------|----------------------|
| Width | 61.5 mm / 2.421 inch |
| Height | 100 mm / 3.937 inch |
| Depth | 71.9 mm / 2.831 inch |
| Depth from upper edge of DIN-rail | 64.7 mm / 2.547 inch |

Mechanical data

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

Material data

| | |
|-------|------------|
| Color | light gray |
|-------|------------|

Subject to changes. Please also observe the further product documentation!



| | |
|--------------------|------------------------------|
| Housing material | Polycarbonate; polyamide 6.6 |
| Fire load | 2.213 MJ |
| Weight | 148.5 g |
| Conformity marking | CE |

Environmental requirements

| | |
|--|---------------------------------------|
| Surrounding air temperature (operation) | 0 ... 55 °C |
| Surrounding air temperature (storage) | -40 ... 85 °C |
| Protection type | IP20 |
| Pollution degree (5) | 2 per IEC 61131-2 |
| Operating altitude | 0 ... 2000 m |
| 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 ₂ S contaminant concentration at a relative humidity 75 % | 10 ppm |
| Permissible SO ₂ contaminant concentration at a relative humidity 75 % | 25 ppm |

Commercial data

| | |
|-----------------------|---------------|
| PU (SPU) | 1 Stück |
| Packaging type | box |
| Country of origin | DE |
| GTIN | 4055143597449 |
| Customs tariff number | 85176200000 |

Approvals / Certificates

Ex-Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|------|-----------------------------|--------------------------|-----------------------|
| | ATEX TUEV Nord Cert GmbH | EN 60079 | TUEV_14_ATEX_148929_X |

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CNCA-C23-01

2020312310000213

Ex nA IIC T4 Gc



IECEX
TUEV Nord Cert GmbH

IEC 60079

IECEX_TUN_14.0035_X




UL
Underwriters Laboratories Inc. (HAZARDOUS
LOCATIONS)


UL 121201

E198726 Sec.1

Country specific Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|---|--------------------------------------|--------------------------|-----------------------------|
|  | KC National Radio Research Agency | Article 58-2, Clause 3 | MSIP- REM-W43- FBC750 |

UL-Approvals


| Logo | Approval | Additional Approval Text | Certificate name |
|--|--|--------------------------|------------------|
|  | UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS) | UL 61010-2-201 | E175199 Sec10 |

Optional accessories

General accessories

















| | | |
|--|--|--|
|  | Item no.: 750-921 Bluetooth® Adapter | www.wago.com/750-921 |
|  | Item no.: 750-923 Configuration cable; USB connector; Length: 2.5 m | www.wago.com/750-923 |
|  | Item no.: 750-923/000-001 Configuration cable; USB connector; Length: 5 m | www.wago.com/750-923/000-001 |

Shield termination

| | | |
|--|---|--|
|  | Item no.: 790-108 Shield clamping saddle; 11 mm wide; diameter of compatible conductor; 3 ... 8 mm | www.wago.com/790-108 |
|--|---|--|















Item no.: 790-116

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| | | |
|--|--|--|
|  | Shield clamping saddle; 19 mm wide; diameter of compatible conductor; 7 ... 16 mm | www.wago.com/790-116 |
|  | Item no.: 790-124 Shield clamping saddle; 27 mm wide; diameter of compatible conductor; 6 ... 24 mm | www.wago.com/790-124 |
|  | Item no.: 790-140 Shield clamping saddle; diameter of compatible conductor | www.wago.com/790-140 |
|  | Item no.: 790-208 Shield clamping saddle; 12.4 mm wide; 3 ... 8 mm | www.wago.com/790-208 |
|  | Item no.: 790-216 Shield clamping saddle; 21.8 mm wide; 6 ... 16 mm | www.wago.com/790-216 |
|  | Item no.: 790-220 Shield clamping saddle; 30 mm wide; 6 ... 20 mm | www.wago.com/790-220 |
| Cables and pluggable connectors | | |
| | Item no.: 750-965 Fieldbus Connector CC-Link; with D-sub male connector; 9-pole | www.wago.com/750-965 |
| Carrier rail | | |
|  | Item no.: 210-112 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm; silver-colored | www.wago.com/210-112 |
|  | Item no.: 210-113 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored | www.wago.com/210-113 |
|  | Item no.: 210-114 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored | www.wago.com/210-114 |
|  | Item no.: 210-115 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm; silver-colored | www.wago.com/210-115 |
|  | Item no.: 210-118 Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored | www.wago.com/210-118 |
|  | Item no.: 210-196 Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored | www.wago.com/210-196 |
|  | Item no.: 210-197 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored | www.wago.com/210-197 |
|  | Item no.: 210-198 Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored | www.wago.com/210-198 |
|  | Item no.: 210-504 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715; silver-colored | www.wago.com/210-504 |
|  | Item no.: 210-505 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715; | www.wago.com/210-505 |






Subject to changes. Please also observe the further product documentation!

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 | www.wago.com/210-506 |
|  | Item no.: 210-508 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715; silver-colored | www.wago.com/210-508 |
| System housing | | |
|  | Item no.: 850-804 IP65 enclosure; Stainless steel; WxHxD (400x123x200 mm); 4 x M20, 16 x M16, 28 x M12 cable grip | www.wago.com/850-804 |
|  | Item no.: 850-804/000-001 IP65 enclosure; Stainless steel; WxHxD (400x123x200 mm); 2 x M20, 13 x M16, 32 x M12 cable grip | www.wago.com/850-804/000-001 |
|  | Item no.: 850-805 IP65 enclosure; Stainless steel; WxHxD (600x123x200 mm); 4 x M20, 19 x M16, 67 x M12 cable grip | www.wago.com/850-805 |
|  | Item no.: 850-814/002-000 IP65 enclosure; Sheet steel (RAL 7035); WxHxD (200x120x200 mm); without flange plate | www.wago.com/850-814/002-000 |
|  | Item no.: 850-815/002-000 IP65 enclosure; Sheet steel (RAL 7035); WxHxD (300x120x200 mm); without flange plate | www.wago.com/850-815/002-000 |
|  | Item no.: 850-816/002-000 IP65 enclosure; Sheet steel (RAL 7035); WxHxD (400x120x200 mm); without flange plate | www.wago.com/850-816/002-000 |
|  | Item no.: 850-817/002-000 IP65 enclosure; Sheet steel (RAL 7035); WxHxD (600x120x200 mm); without flange plate | www.wago.com/850-817/002-000 |
|  | Item no.: 850-825 IP65 enclosure; Aluminium (RAL 7032); WxHxD (160x100x160 mm); 9 x M12, 4 x M20 | www.wago.com/850-825 |
|  | Item no.: 850-826 IP65 enclosure; Aluminium (RAL 7032); WxHxD (240x100x160 mm); 4 x M20, 4 x M16, 14 x M12 cable grip | www.wago.com/850-826 |
|  | Item no.: 850-826/002-000 IP65 enclosure; Aluminium (RAL 7035); WxHxD (240x100x160 mm); 4 x M20, 4 x M16, 14 x M12 cable grip | www.wago.com/850-826/002-000 |
|  | Item no.: 850-827 IP65 enclosure; Aluminium (RAL 7032); WxHxD (320x100x160 mm); 4 x M20, 8 x M16, 17 x M12 cable grip | www.wago.com/850-827 |
|  | Item no.: 850-827/002-000 IP65 enclosure; Aluminium (RAL 7035); WxHxD (320x100x160 mm); 4 x M20, 8 x M16, 17 x M12 cable grip | www.wago.com/850-827/002-000 |

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| | | |
|---|--|--|
|  | Item no.: 850-828 IP65 enclosure; Aluminium (RAL 7032); WxHxD (480x100x160 mm); 4 x M20, 10 x M16, 35 x M12 cable grip | www.wago.com/850-828 |
|  | Item no.: 850-828/002-000 IP65 enclosure; Aluminium (RAL 7035); WxHxD (480x100x160 mm); 4 x M20, 10 x M16, 35 x M12 cable grip | www.wago.com/850-828/002-000 |
|  | Item no.: 850-834 IP65 enclosure; Polyester (RAL 7032); WxHxD (164x100x164 mm); 9 x M12, 4 x M20 | www.wago.com/850-834 |
|  | Item no.: 850-835 IP65 enclosure; Polyester (RAL 7032); WxHxD (244x100x164 mm); 4 x M20, 4 x M16, 14 x M12 cable grip | www.wago.com/850-835 |
|  | Item no.: 850-836 IP65 enclosure; Polyester (RAL 7032); WxHxD (324x100x164 mm); 4 x M20, 8 x M16, 17 x M12 cable grip | www.wago.com/850-836 |

Marking accessories

| | | |
|---|---|--|
|  | Item no.: 2009-145 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white | www.wago.com/2009-145 |
|  | 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 | www.wago.com/2009-145/000-002 |
|  | 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 | www.wago.com/2009-145/000-005 |
|  | 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 | www.wago.com/2009-145/000-006 |
|  | 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 | www.wago.com/2009-145/000-007 |
|  | 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 | www.wago.com/2009-145/000-012 |
|  | 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 | www.wago.com/2009-145/000-023 |
|  | 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 | www.wago.com/2009-145/000-024 |
|  | Item no.: 248-501 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white | www.wago.com/248-501 |

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| | | |
|---|---|--|
|  | Item no.: 248-501/000-002 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow | www.wago.com/248-501/000-002 |
|  | Item no.: 248-501/000-005 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red | www.wago.com/248-501/000-005 |
|  | Item no.: 248-501/000-006 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue | www.wago.com/248-501/000-006 |
|  | Item no.: 248-501/000-007 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray | www.wago.com/248-501/000-007 |
|  | Item no.: 248-501/000-012 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange | www.wago.com/248-501/000-012 |
|  | Item no.: 248-501/000-017 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green | www.wago.com/248-501/000-017 |
|  | Item no.: 248-501/000-023 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green | www.wago.com/248-501/000-023 |
|  | Item no.: 248-501/000-024 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet | www.wago.com/248-501/000-024 |
|  | Item no.: 750-100 Marker card; as a DIN A4 sheet; plain | www.wago.com/750-100 |
| | Item no.: 750-103 Group marker carrier | www.wago.com/750-103 |
|  | Item no.: 750-106 Group marker carrier | www.wago.com/750-106 |

Downloads

Documentation

Manual

| | | | |
|--|-------------------------|---------------|----------|
| CC-Link Fieldbus Coupler 156 kbaud...10 Mbaud; Digital and Analog Signals | V 2.0.1 2020. 9. 11. | pdf 8.4 MB | Download |
| System Manual WAGO I/O System 750 / 753 Decentralized Automation Technology | V 3.0.2 2021. 4. 27. | pdf 6.6 MB | Download |

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System Manual Series 750/753

[URL](#)

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[Online HTML](#)

Bid Text

| | | | |
|-------------|--------------|---------|----------|
| 750-325 | 2017. 7. 21. | doc | Download |
| doc - Datei | | 31.2 kB | |

System Description

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

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

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

Additional Information

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

CAD/CAE-Data

CAD data

| | | | |
|----------------------|--|-----|----------|
| 2D/3D Models 750-325 | | URL | Download |
|----------------------|--|-----|----------|

CAE data

| | | | |
|---------------------------|--|-----|----------|
| EPLAN Data Portal 750-325 | | URL | Download |
|---------------------------|--|-----|----------|

| | | | |
|----------------------|--|-----|----------|
| ZUKEN Portal 750-325 | | URL | Download |
|----------------------|--|-----|----------|

Device Files

Device Description File

| | | | |
|--|--|----------|----------|
| Gerätebeschreibungdatei für den Feldbuskoppler CC-Link 750-325 | | zip | Download |
| | | 177.1 kB | |

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Data sheet | Item number: 750-325

www.wago.com/750-325



Environmental Product Compliance

Compliance Search

Environmental Product Compliance 750-325
Fieldbus Coupler CC-Link

URL

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Installation Notes

Product family

750/753 Series I/O System

[Show all products from the family](#)

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