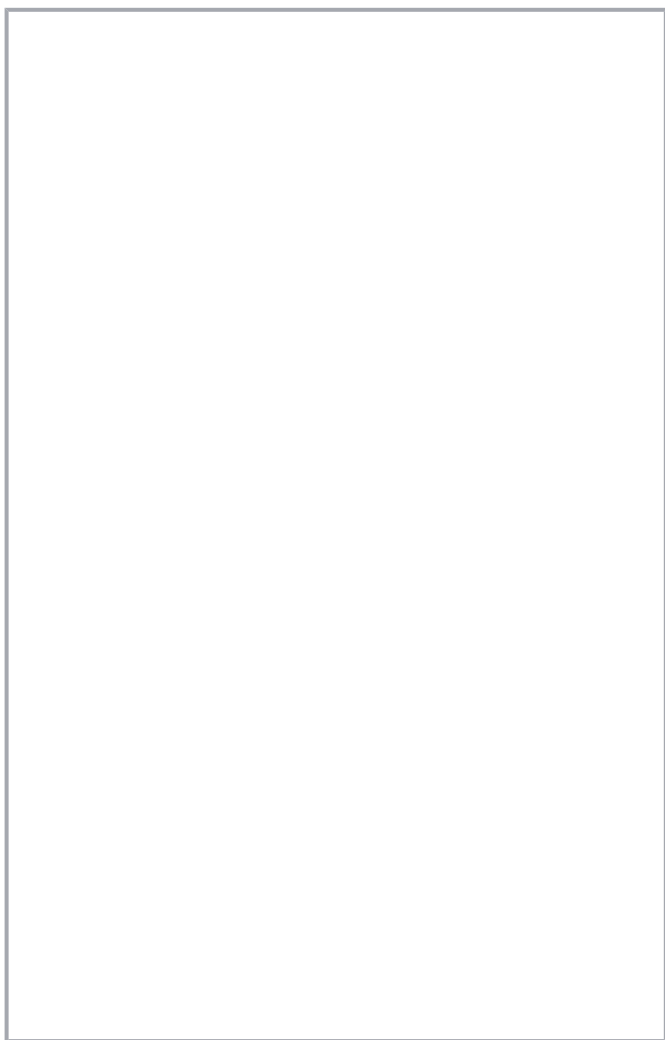




i Picture differs from the item.

Color: ■■

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



Item description

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

The fieldbus coupler detects all connected I/O modules and creates a local process image. Analog and specialty module data is sent via words and /or bytes; digital data is sent bit by bit.

The process image can be transferred via the DeviceNet 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 DeviceNet™ to a control system for further processing. The process output data is sent via DeviceNet™.

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.

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

**Note:**

Note: Configuration files required (EDS)

Data**Technical data**

Communication	DeviceNet
Number of fieldbus nodes on master (max.)	64
Number of I/O points	6,000
Baud rate	500 kBd (125 Kbaud, 250 Kbaud, 500 Kbaud)
Bus segment length (max.)	500 m
Transmission medium	Shielded Cu cable; Remote bus cable: 2 x 0.82 mm ² + 2 x 1.7 mm ² ; Drop cable: 2 x 0.2 mm ² + 2 x 0.32 mm ²
Number of modules per node (max.)	64
DeviceNet features	Polled I/O message connection Strobed I/O message connection Change of state Cyclic message connection Group 2 only Slave
Input and output (fieldbus) process image (max.)	512 Byte/512 Byte
Supply voltage (system)	24 VDC (-25 ... +30 %); via pluggable connector (CAGE CLAMP [®] connection)
Power consumption (5 V system supply)	350 mA
Total current (system supply)	1,650 mA
Supply voltage (field)	24 VDC (-25 ... +30 %); via power jumper contacts
Input current via DeviceNet interface at 11 V	120 mA
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

Connection data

Connection technology: communication/fieldbus	DeviceNet: 1 x Male connector; 5-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

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



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	50.5 mm / 1.988 inch
Height	100 mm / 3.937 inch
Depth	71.1 mm / 2.799 inch
Depth from upper edge of DIN-rail	63.9 mm / 2.516 inch

Mechanical data

Mounting type	DIN-35 rail
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Material data

Color	light gray
Housing material	Polycarbonate; polyamide 6.6
Fire load	3.092 MJ
Weight	202 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, marine applications
EMC emission of interference	per EN 61000-6-4, marine applications
Exposure to pollutants	Per IEC 60068-2-42 and IEC 60068-2-43
Permissible pollutant concentration H ₂ S at a relative humidity < 75%	10 ppm
Permissible pollutant concentration SO ₂ at a relative humidity < 75%	25 ppm

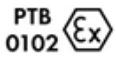
Subject to changes. Please also observe the further product documentation!

Commercial data

Product Group	15 (Remote I/O)
PU (SPU)	1 Stück
Packaging type	box
Country of origin	DE
GTIN	4045454526757
Customs tariff number	8517620090

Approvals / Certificates

Ex-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ATEX TUEV Nord Cert GmbH	EN 60079-0	TÜV 07 ATEX 554086 X en.
	CCCEX CQST/CNEX	CNCA-C23-01	2020312310000215
	TUEV Nord TUEV Nord Cert GmbH	IEC 60079-0	IECEx TUN 09.0001 X

Country specific Approvals

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

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	19- HG1821926
	BV Bureau Veritas S.A.	-	13453/DO BV

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



DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAA0000194
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KR Korean Register of Shipping	-	KR HMB05880- AC001
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LR Lloyds Register	-	02/20026 (E6)
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NK Nippon Kaiji Kyokai	-	TA17255M
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PRS Polski Rejestr Statków	-	TE/2236 /880590/19
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RINA RINA Germany GmbH	-	ELE066419XG
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UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL UL International Netherlands B.V. (ORDINARY LOCATIONS)	UL 508	E175199 Sec.1

Optional accessories

Shield termination

Shield clamping saddle



Item no.: 790-116

Shield clamping saddle; 19 mm wide; 7-16 mm diameter conductors

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

**Item no.: 790-124**

Shield clamping saddle; 27 mm wide; 6-24 mm diameter conductors

**Item no.: 790-108**

Shield clamping saddle; 11 mm wide; 0-8 mm diameter conductors

**Item no.: 790-140**

Shield clamping saddle; 43 mm wide; 22-40 mm diameter conductors

**Item no.: 790-216**

Shield clamping saddle; 21.8 mm wide; 6-16 mm diameter conductors

**Item no.: 790-220**

Shield clamping saddle; 30 mm wide; 6-20 mm diameter

**Item no.: 790-208**

Shield clamping saddle; 12.4 mm wide; 3-8 mm diameter conductors

Carrier rail

Mounting accessories

**Item no.: 210-197**

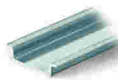
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored

**Item no.: 210-198**

Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored

**Item no.: 210-504**

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715; silver-colored

**Item no.: 210-505**

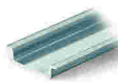
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715; silver-colored

**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.: 210-508**

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715; silver-colored

**Item no.: 210-113**

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored

**Item no.: 210-118**

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

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



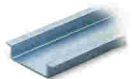
Item no.: 210-114

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored



Item no.: 210-115

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.: 210-196

Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored

General accessories

Bluetooth



Item no.: 750-921

Bluetooth® Adapter

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

System housing

System enclosure



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



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

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

**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.: 850-826/002-000**

IP65 enclosure; Aluminium (RAL 7035); WxHxD (240x100x160 mm); 4 x M20, 4 x M16, 14 x M12 cable grip

**Item no.: 850-828/002-000**

IP65 enclosure; Aluminium (RAL 7035); WxHxD (480x100x160 mm); 4 x M20, 10 x M16, 35 x M12 cable grip

**Item no.: 850-828**

IP65 enclosure; Aluminium (RAL 7032); 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

Marking accessories**Marker carrier****Item no.: 750-103**

Group marker carrier

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

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.: 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.: 2009-145/000-005

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red

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



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.: 2009-145/000-023

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green



Item no.: 2009-145/000-024

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet



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.: 248-501/000-002

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow



Item no.: 248-501/000-012

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange



Item no.: 248-501

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white



Item no.: 248-501/000-017

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green



Item no.: 248-501/000-005

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.: 248-501/000-023

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green

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



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

Group marker carrier



Item no.: 750-106
Group marker carrier

Downloads

Documentation

Manual

DeviceNet Fieldbus Coupler 125 - 500 kBaud, digital and analog signals	V 2.0.0	pdf 4.6 MB
System Manual WAGO I/O System 750 / 753 Decentralized Automation Technology	V 3.0.2 Apr 27, 2021	pdf 6.6 MB
System Manual Series 750/753 Online HTML		URL

Bid Text

750-306/000-006 X81 - Datei	Feb 19, 2019	xml 7.0 kB
750-306/000-006 doc - Datei	Jul 21, 2017	doc 30.7 kB

Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf 265.8 kB
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System Description

Use in Hazardous Environments Term definition, marking and installation regulations	V 1.0.0	pdf 1.0 MB
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CAD files

CAD data

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



2D/3D Models 750-306/000-006

CAE data

EPLAN Data Portal 750-306/000-006

WSCAD Universe 750-306/000-006

WSCAD Universe 750-306/000-006

EPLAN Data Portal 750-306/000-006

ZUKEN Portal 750-306/000-006

Device Files

Device Description File

750-912; EDS-Dateien für DeviceNet / Serie 750, 752, 755 und 767	10 Mar 25, 2011	zip 68.3 kB
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Device Driver

WAGO USB Service Kabel Treiber / Serie 750 und 857 759-923	6.5.3.0 Sep 10, 2014	zip 4.8 MB
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 750-306/000-006
Fieldbus Coupler DeviceNet

Installation Notes

Product family

Couplers & I/O modules:
[Show all products from the family](#)

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