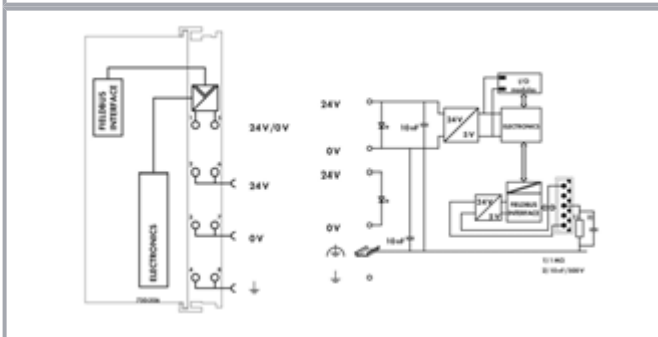
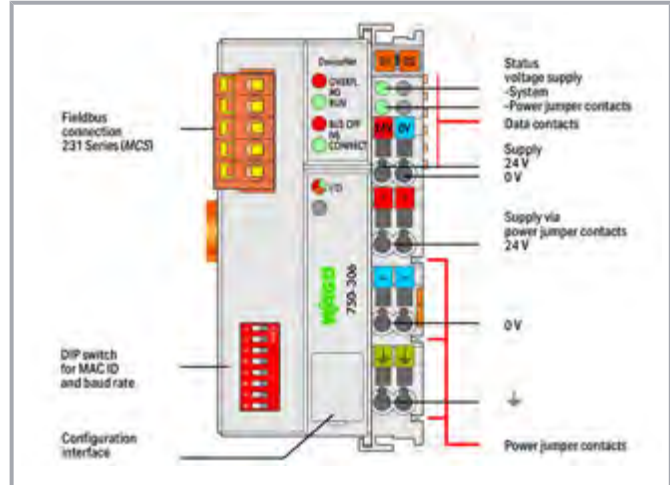




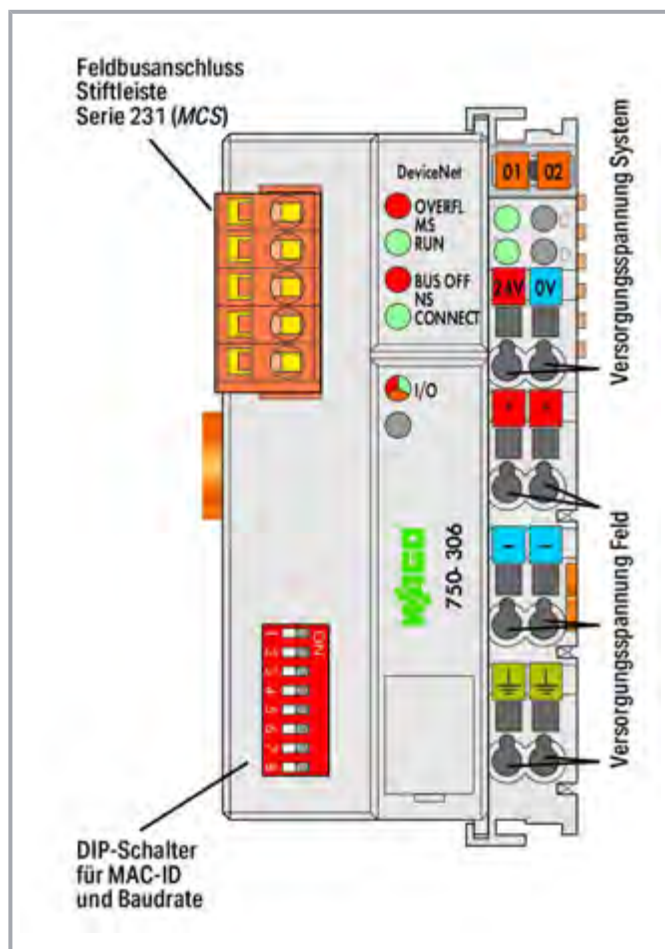
RoHS
Compliant

BOMcheck.net

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.

Note:

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



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 kBd, 250 kBd, 500 kBd)
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
Certification	ODVA

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
Connection type (1)	System/field supply

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



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
---------------	-------------

Material data

Color	light gray
Housing material	Polycarbonate; polyamide 6.6
Fire load	3.075 MJ
Weight	200 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	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 61000-6-4, 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

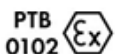
Subject to changes. Please also observe the further product documentation!

Commercial data

Product Group	15 (Remote I/O)
Packaging type	BOX
Country of origin	DE
GTIN	4045454526542
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
	EAC Brjansker Zertifizierungsstelle	TP TC 012/2011	EAC RU C-DE.AM02. B.00163/19
	INMETRO TÜV Rheinland do Brasil Ltda.	IEC 60079	BR-Ex_TÜV 12.1297 X
	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	-	19-

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



American Bureau of Shipping

HG1821926


BV
Bureau Veritas S.A.

-

13453/DO BV


DNV GL
Det Norske Veritas, Germanischer Lloyd

-

TAA0000194


KR
Korean Register of Shipping

-

KR
HMB05880-
AC001

LR
Lloyds Register

-

02/20026 (E6)


NK
Nippon Kaiji Kyokai

-

TA17255M


PRS
Polski Rejestr Statków

-

 TE/2236
/880590/19

RINA
RINA Germany GmbH

-

ELE066419XG

UL-Approvals

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

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

Compatible products

system box

	Item no.: 850-804 IP65 enclosure; Stainless steel; WxHxD (400x123x200 mm); 4 x M20, 16 x M16, 28 x M12 cable grip
	Item no.: 850-804/000-001 IP65 enclosure; Stainless steel; WxHxD (400x123x200 mm); 2 x M20, 13 x M16, 32 x M12 cable grip
	Item no.: 850-805 IP65 enclosure; Stainless steel; WxHxD (600x123x200 mm); 4 x M20, 19 x M16, 67 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
	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.: 850-826/002-000 IP65 enclosure; Aluminium (RAL 7035); WxHxD (240x100x160 mm); 4 x M20, 4 x M16, 14 x M12 cable grip
	Item no.: 850-827 IP65 enclosure; Aluminium (RAL 7032); WxHxD (320x100x160 mm); 4 x M20, 8 x M16, 17 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 IP65 enclosure; Aluminium (RAL 7032); WxHxD (480x100x160 mm); 4 x M20, 10 x M16, 35 x M12 cable grip

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

**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

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

**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.: 2009-145/000-005**

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

**Item no.: 2009-145/000-006**

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.: 2009-145/000-012**

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**

Miniature WSB Quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card

**Item no.: 248-501/000-002**

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

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

**Item no.: 248-501/000-005**

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

**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.: 248-501/000-012**

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

**Item no.: 248-501/000-017**

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

**Item no.: 248-501/000-023**

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

**Item no.: 248-501/000-024**

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

**Item no.: 750-100**

Marker card; as a DIN A4 sheet; plain; white

**Item no.: 750-103**

Group marker carrier; transparent

**Item no.: 750-106**

Group marker carrier; transparent

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

**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.: 210-114**

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.: 210-118**

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

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

**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.: 210-197**

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

General accessories**Item no.: 750-921**

Bluetooth® Adapter; light gray

**Item no.: 750-923**

Configuration cable; USB connector; Length: 2.5 m; black

**Item no.: 750-923/000-001**

Configuration cable; USB connector; Length: 5 m

shield connection**Item no.: 790-108**

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

**Item no.: 790-116**

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

**Item no.: 790-124**

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

**Item no.: 790-140**

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

**Item no.: 790-208**

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

**Item no.: 790-216**

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

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



Item no.: 790-220

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

Downloads

Documentation

Manual

DeviceNet Fieldbus Coupler 125 - 500 kBaud, digital and analog signals	V 2.0.0	pdf 4.6 MB
Systemhandbuch WAGO I/O System 750 / 753 Dezentrale Automatisierungstechnik	V 3.0.0 Mar 4, 2021	pdf 6.6 MB

Bid Text

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

Additional Information

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

System Description

Overview on WAGO-I/O-SYSTEM 750 approvals		pdf 780.2 kB
Use in Hazardous Environments Term definition, marking and installation regulations	V 1.0.0	pdf 1.0 MB
750/753 Series I/O-System – General Product Information		pdf 1.7 MB

Application Notes

Application note, other

Inbetriebnahme einer Omron SPS mit einem WAGO DeviceNet Feldbuskoppler a201703	V1.0.0 May 31, 2011	zip 719.0 kB
---	------------------------	-----------------

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



Der Anwendungshinweis beschreibt am Beispiel einer Omron SYSMAC CJ1M SPS mit DRM21 DeviceNet Masters die Anbindung einer Omron SPS an den WAGO DeviceNet Feldbus Koppler 750-306.

WAGO I/O Device Net Coupler with AB SCL500 (a100102)	V1.0.0	zip
WAGO I/O Device Net Coupler	Jul 27, 2011	383.5 kB
WAGO I/O Device Net Coupler with AB ControlLogix (a100103)	V1.0.0	zip
This document illustrates the various steps taken to configure an Allen-Bradley 1756-DNB Scanner Module for polled communications with a node of WAGO Series 750 DeviceNet I/O. This document should serve as a supplement to the appropriate WAGO DeviceNet product manual when installing and/or commissioning a node of WAGO Series 750 DeviceNet I/O.	Mar 19, 2012	383.9 kB
Altering Attributes in the DeviceNet coupler 750-306 Version 3.0 (a207000)	V1.0.0	zip
Altering Attributes in the DeviceNet coupler 750-306 Version 3.0.	May 31, 2011	230.8 kB

CAD files

CAD data

2D/3D Models 750-306	URL
----------------------	-----

CAE data

EPLAN Data Portal 750-306	URL
---------------------------	-----

WSCAD Universe 750-306	URL
------------------------	-----

ZUKEN Portal 750-306	URL
----------------------	-----

Device Files

Device Driver

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

Device Description File

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

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



Environmental Product Compliance

Compliance Search

Environmental Product Compliance 750-306

Fieldbus Coupler DeviceNet; light gray

Installation Notes

Product family

Couplers & I/O modules:

[Show all products from the family](#)

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