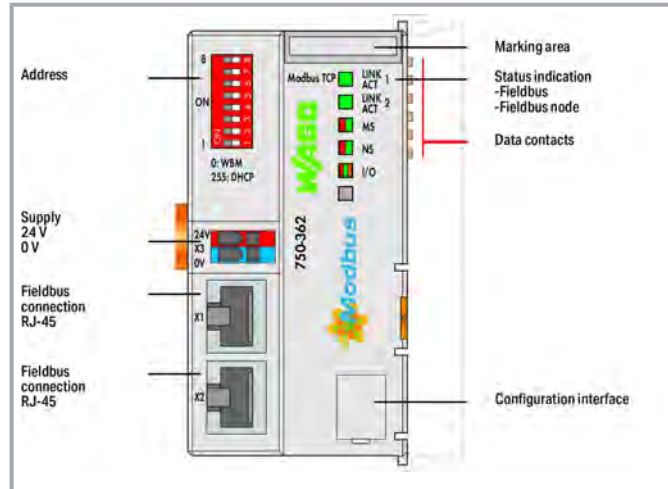


Data sheet | Item number: 750-362
Fieldbus Coupler Modbus TCP; 4th generation

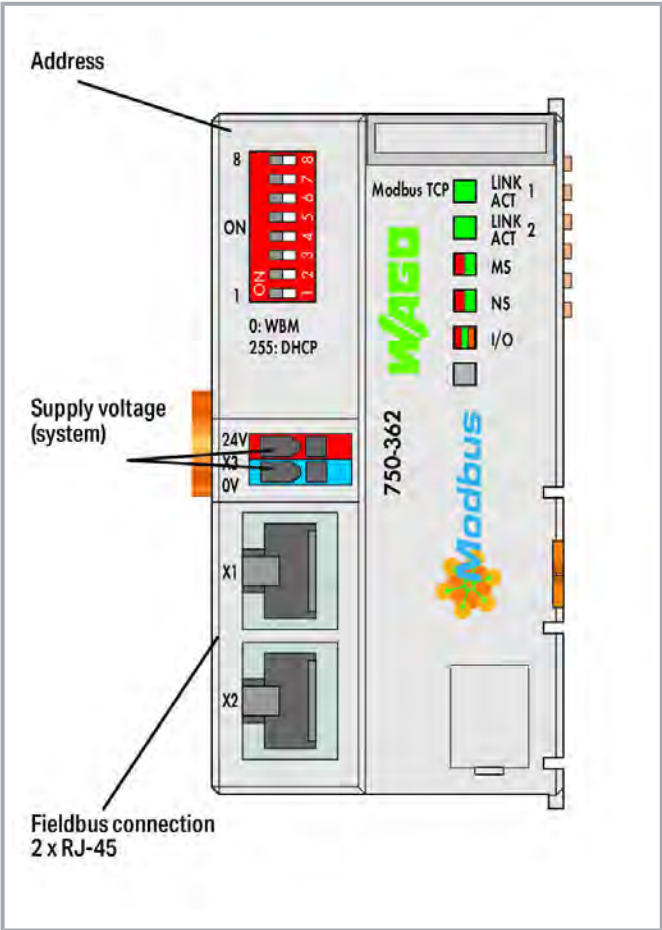
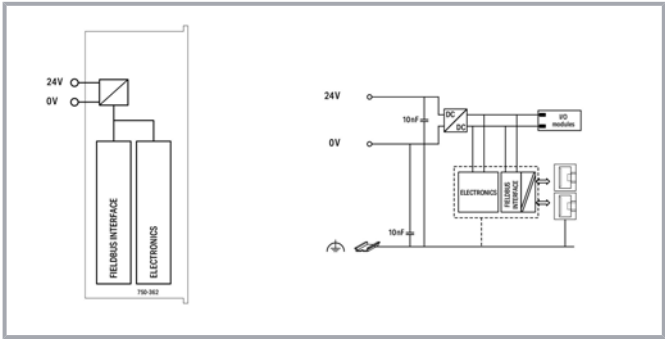


RoHS Compliant

BOMcheck.net



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



Item description

The Modbus TCP / UDP Fieldbus Coupler 750-362 connects the digital, analog and specialty modules of the WAGO-I/O-System via ETHERNET. Two ETHERNET interfaces and the integrated switch allow the fieldbus to be wired in line topology. Additional infrastructure elements such as switches or hubs can be eliminated. Both interfaces support Autonegotiation and Auto-MDI(X). The last byte of the IP address and the IP address (DHCP, BootP, fixed) can be specified with the DIP switch.

The coupler is suitable for fieldbus communication in MODBUS networks. In addition, a large number of standardized ETHERNET Protocols supported (HTTP (S), BootP, DHCP, DNS, SNMP, (S) FTP). An integrated web server provides configuration options and status information of the coupler.

Data
Technical data

Communication	Modbus (TCP, UDP)
ETHERNET protocols	HTTP(S)

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



	BootP DHCP DNS SNTP (S)FTP SNMP
Baud rate	10/100 Mbit/s
Transmission medium	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
Input and output (fieldbus) process image (max.)	1020 Worte/1020 Worte
Supply voltage (system)	24 VDC (-25 ... +30 %); via pluggable connector
Power consumption (5 V 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 %
Isolation	500 V system/field
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

Connection data

Connection technology: communication/fieldbus	Modbus TCP/UDP: 2 x RJ-45
Connection technology: system supply	2 x CAGE CLAMP®
Connection technology: device configuration	1 x Male connector; 4-pole
Connection type (1)	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 inch

Physical data

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

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



Mechanical data

Mounting type	DIN-35 rail
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Material data

Housing material	Polycarbonate; polyamide 6.6
Fire load	1.111 MJ
Weight	104.8 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 61000-6-3, 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

Commercial data

Packaging type	BOX
Country of origin	DE
GTIN	4055143821421
Customs tariff number	8517620090

Approvals / Certificates

Ex-Approvals

Logo	Approval	Additional Approval Text	Certificate name
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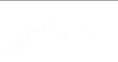
Subject to changes. Please also observe the further product documentation!

	ATEX TUEV Nord Cert GmbH	EN 60079	TUEV_14_ATEX_148929_X
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	CCCEx CQST/CNEx	CNCA-C23-01	2020312310000213
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	EAC Brjansker Zertifizierungsstelle	TP TC 012/2011	EAC RU C-DE.AM02.B. 00163/19
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	IECEX TUEV Nord Cert GmbH	IEC 60079-0	IECEx_TUN_14.0035_X
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	INMETRO TÜV Rheinland do Brasil Ltda.	IEC 60079	BR-Ex_TÜV 12.1297 X
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	UL Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS)	UL 121201	E198726 Sec.1
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Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	EAC Brjansker Zertifizierungsstelle	TP TC 012/2011	EAC RU C- DE.AM02. B.00163 /19
	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
	DNV GL	-	TAA0000194

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



Det Norske Veritas, Germanischer Lloyd

LR
Lloyds Register

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02/20026 (E6)

PRS
Polski Rejestr Statków

-

TE/2236
/880590/19RINA
RINA Germany GmbH

-

ELE066419XG

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 61010-2-201	E175199 Sec11

Compatible products

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
	Item no.: 790-220

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



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

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
	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

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

 **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

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

 **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

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

 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

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

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

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
	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

wiring and connectors

	Item no.: 750-975 RJ-45 connector; IP20; ETHERNET 10/100 Mbit/s
	Item no.: 750-977/000-011 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22
	Item no.: 750-977/000-012 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22
	Item no.: 750-977/000-021 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24
	Item no.: 750-977/000-022 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24
	Item no.: 750-978/000-011 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22; Strain relief
	Item no.: 750-978/000-012 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22; Strain relief
	Item no.: 750-978/000-021 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24; Strain relief

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



	Item no.: 750-978/000-022 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24; Strain relief
	Item no.: 750-979/000-011 Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 22; Strain relief
	Item no.: 750-979/000-012 Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 22; Strain relief
	Item no.: 750-979/000-021 Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 24; Strain relief
	Item no.: 750-979/000-022 Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 24; Strain relief

Downloads

Documentation

Manual

Fieldbus Coupler Modbus TCP Generation 4	V 1.0.3 Jan 18, 2021	pdf 4.2 MB
Systemhandbuch WAGO I/O System 750 / 753 Dezentrale Automatisierungstechnik	V 3.0.0 Mar 4, 2021	pdf 6.6 MB

Bid Text

750-362 docx - Datei	Jun 18, 2019	docx 17.8 kB
750-362 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
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System Description

750/753 Series I/O-System – General Product Information	pdf
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Subject to changes. Please also observe the further product documentation!



1.7 MB

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

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

Runtime Software

Firmware

Firmware: 750-362 Fieldbus Coupler Modbus TCP; 4th generation; -	07 Sep 16, 2020	zip 3.6 MB
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CAD files

CAD data

2D/3D Models 750-362

CAE data

ZUKEN Portal 750-362

EPLAN Data Portal 750-362

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 750-362
Fieldbus Coupler Modbus TCP; 4th generation; -

Installation Notes

Product family

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

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