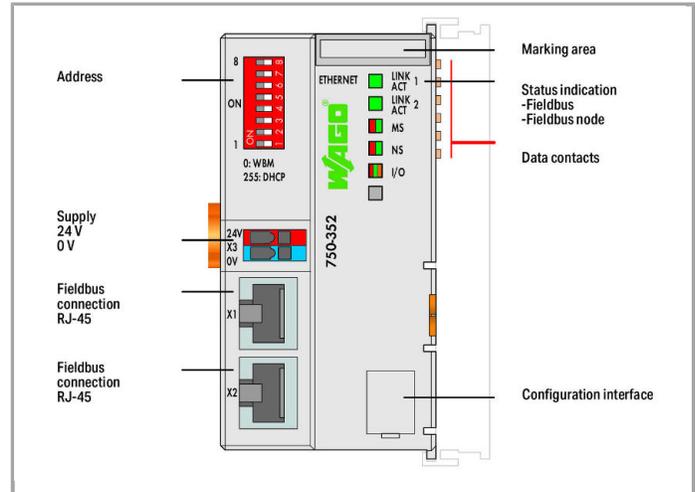
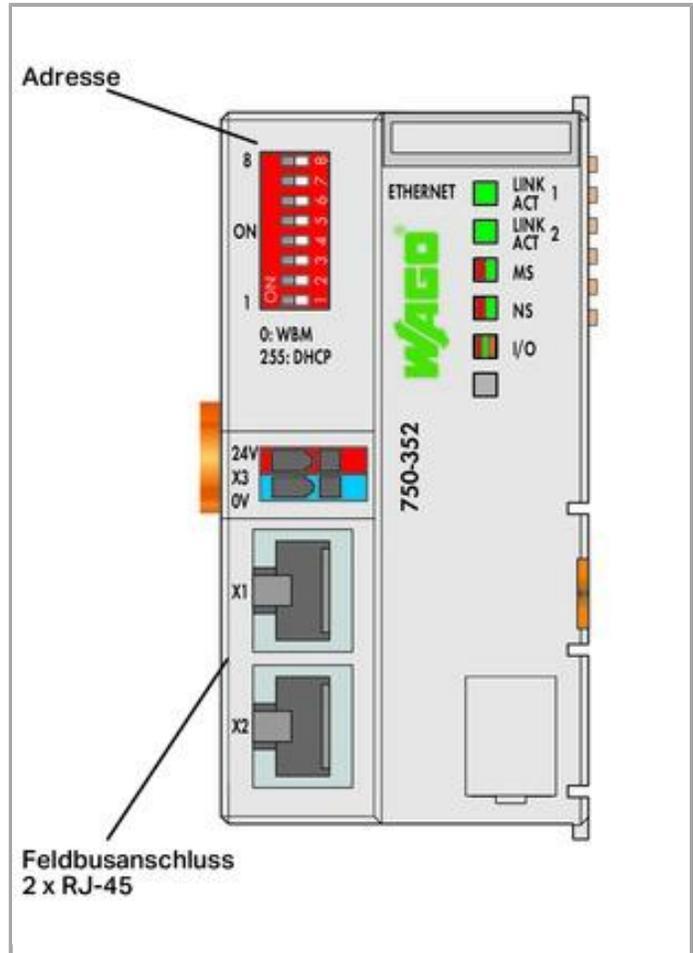
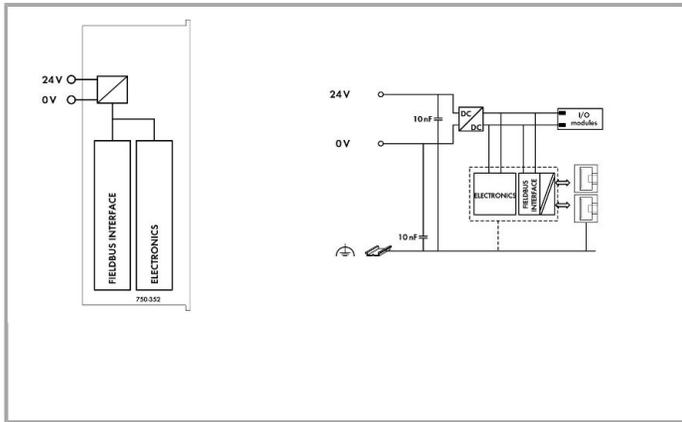
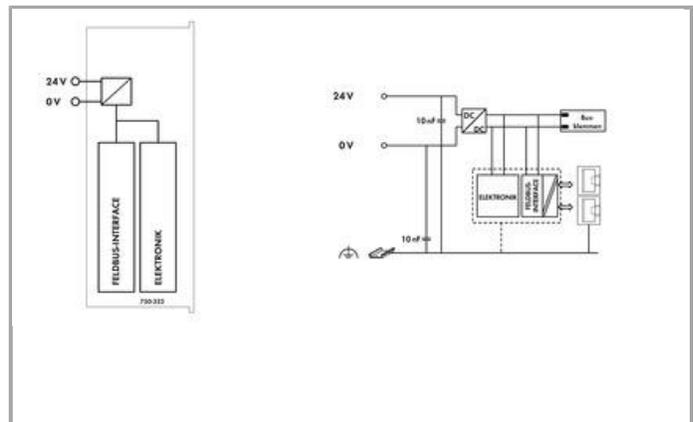
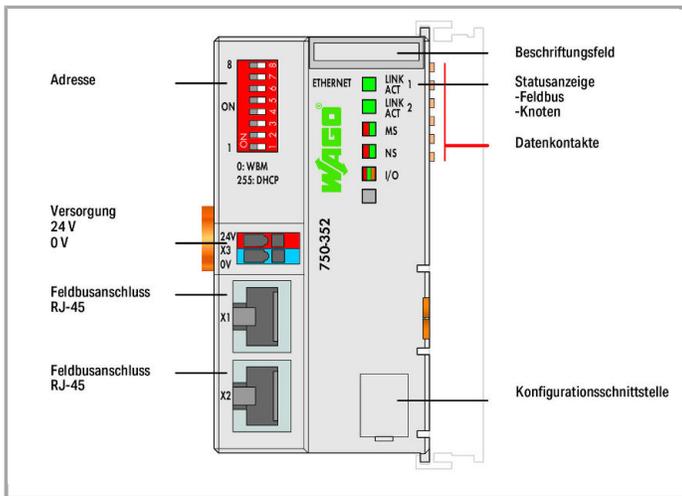


Data sheet | Item number: 750-352  
Fieldbus Coupler ETHERNET; 3rd Generation

[www.wago.com/750-352](http://www.wago.com/750-352)



RoHS  Compliant [BOMcheck.net](http://BOMcheck.net)



### Item description

The 750-352 ETHERNET Fieldbus Coupler connects ETHERNET to the modular WAGO-I/O-SYSTEM.

The fieldbus coupler automatically configures, creating a local process image which may include analog, digital or specialty modules. Analog and specialty module data is sent via words and/or bytes; digital data is sent bit by bit.

Two ETHERNET interfaces and an integrated switch allow the fieldbus to be wired in a line topology. This eliminates additional network devices such as switches or hubs. Both interfaces support Auto-Negotiation 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 both Ethernet/IP and MODBUS networks. It also supports a wide variety of standard ETHERNET protocols (e.g., HTTP, BootP, DHCP, DNS, SNMP, FTP).

An integrated Web server provides configuration and status information to the coupler.

The coupler has an integrated supply terminal for the system voltage. The field power jumper contacts are supplied via a separate supply module.

## Data

### Technical Data

Communication	EtherNet/IP Modbus TCP Ethernet
Ethernet protocol	HTTP BootP DHCP DNS FTP SNMP
Baud rate	10/100Mbit/s
Transmission medium	Twisted Pair S-UTP; 100 Ω; Cat. 5; Line length (max.): 100 m
Transmission performance	Class D acc. to EN 50173
Number of modules per node max.	250
Number of I/O modules without bus extension max.	64
Max. input and output process image (fieldbus)	1020Words/1020Words
System supply voltage	DC 24 V (-25 ... +30 %); via wiring level
Current consumption, system supply (5 V)	450 mA
Total current for system supply	700 mA
Input current typ. at rated load (24 V)	280 mA
Efficiency of the power supply (typ.) at nominal load (24 V)	90 %
Isolation	500 V system/supply

### Connection data

Connection technology: communication/fieldbus	EtherNet/IP: 2 x RJ-45; Modbus TCP/UDP: 2 x RJ-45
Connection technology: system supply	2 x CAGE CLAMP®
Connection technology: device configuration	1 x 4-pole male connector
Connection type (1)	Systemversorgung
Solid conductor	0.08 ... 1.5 mm <sup>2</sup> / 28 ... 14 AWG
Fine-stranded conductor	0.08 ... 1.5 mm <sup>2</sup> / 28 ... 14 AWG
Strip length	5 ... 6 mm / 0.2 ... 0.24 Inch



## Geometrical Data

Width	49.5 mm / 1.949 inch
Height	71.9 mm / 2.831 inch
Height from upper-edge of DIN-35 rail	64.7 mm / 2.547 inch
Depth	96.8 mm / 3.811 inch

## Mechanical data

Type of mounting	DIN-35 rail
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## Material Data

Color	lichtgrau
Housing material	Polycarbonate, polyamide 6.6
Weight	108.5 g
Conformity marking	CE

## Environmental Requirements

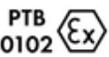
Surrounding air (operating) temperature	0 ... 55 °C
Surrounding air (storage) temperature	-40 ... 85 °C
Degree of protection	IP20
Degree of pollution (5)	2 per IEC 61131-2
Operating altitude	0 ... 2000 m
Mounting position	horizontal (standing/lying) or vertical
Relative air humidity (no condensation)	95 %
Vibration resistance	4g per IEC 60068-2-6
Shock resistance	15g per IEC 60068-2-27
EMC immunity to interference	acc. to EN 61000-6-2, marine applications
EMC emission of interference	acc. to EN 61000-6-3, marine applications
Exposure to pollutants	Per IEC 60068-2-42 and IEC 60068-2-43
Permissible H <sub>2</sub> S contaminant concentration at a relative humidity < 75 %	10 ppm
Permissible SO <sub>2</sub> contaminant concentration at a relative humidity < 75 %	25 ppm

## Commercial data

Country of origin	DE
GTIN	4050821086840
Product Group	15 (Remote I/O)

## Approvals / Certificates

## Ex-Approvals

Logo	Approval	Certificate name
	ATEX TUEV Nord Cert GmbH	TÜV 07 ATEX 554086 X en.
	TUEV Nord TUEV Nord Cert GmbH	IECEX TUN 09.0001 X
	UL Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS)	E198726 Sec.1 (HAZARDOUS LOCATIONS)

## Ship Approvals

Logo	Approval	Certificate name
	ABS American Bureau of Shipping	16-HG1554285-PDA
	BV Bureau Veritas S.A.	30389/B0 BV
	DNV DNV Germany GmbH	A-14093
	GL Germanischer Lloyd	11 631 - 10 HH
	KR Korean Register of Shipping	HMB05880-AC001
	LR {Lloyds Register EMEA	02/20026 (E5)
	NK Nippon Kaiji Kyokai	TA17255M
	PRS Polski Rejestr Statkow	TE/1989/880590/13



RINA  
RINA Germany GmbH

ELE134212XG

#### UL-Approvals

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

#### Compatible products

##### General accessories

	Item no.: 750-921 Bluetooth® Adapter	<a href="http://www.wago.com/750-921">www.wago.com/750-921</a>
	Item no.: 750-923 Configuration cable; USB connector	<a href="http://www.wago.com/750-923">www.wago.com/750-923</a>
	Item no.: 750-923/000-001 Configuration cable; USB connector	<a href="http://www.wago.com/750-923/000-001">www.wago.com/750-923/000-001</a>

##### shield connection

	Item no.: 790-108 Shield clamping saddle; 11 mm wide; diameter of compatible conductor; up to 8 mm	<a href="http://www.wago.com/790-108">www.wago.com/790-108</a>
	Item no.: 790-116 Shield clamping saddle; 19 mm wide; diameter of compatible conductor; 7 mm to 16 mm	<a href="http://www.wago.com/790-116">www.wago.com/790-116</a>
	Item no.: 790-124 Shield clamping saddle; 27 mm wide; diameter of compatible conductor; 6 mm to 24 mm	<a href="http://www.wago.com/790-124">www.wago.com/790-124</a>
	Item no.: 790-140 Shield clamping saddle; 43 mm wide; diameter of compatible conductor; 22 mm to 40 mm	<a href="http://www.wago.com/790-140">www.wago.com/790-140</a>
	Item no.: 790-208 Shield clamping saddle; 12.4 mm wide; 3 ... 8 mm	<a href="http://www.wago.com/790-208">www.wago.com/790-208</a>
	Item no.: 790-216 Shield clamping saddle; 6–16 mm diameter; 21.8 mm wide	<a href="http://www.wago.com/790-216">www.wago.com/790-216</a>
	Item no.: 790-220 Shield clamping saddle; 6–20 mm diameter; 30 mm wide	<a href="http://www.wago.com/790-220">www.wago.com/790-220</a>

##### Marking accessories