

ETHERNET Fieldbus Coupler

10/100 Mbit/s; digital and analog signals

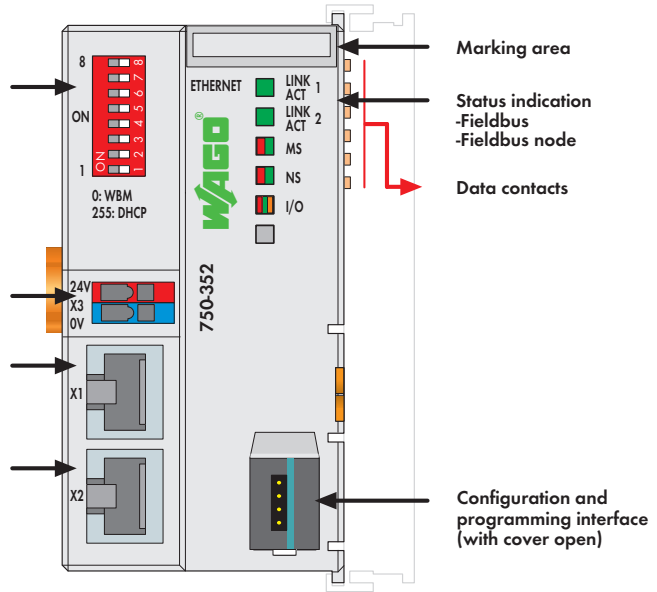


Address

Supply
24 V
0 V

Fieldbus connection
RJ-45

Fieldbus connection
RJ-45



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).

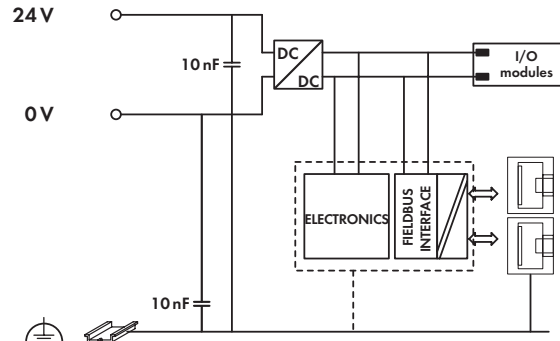
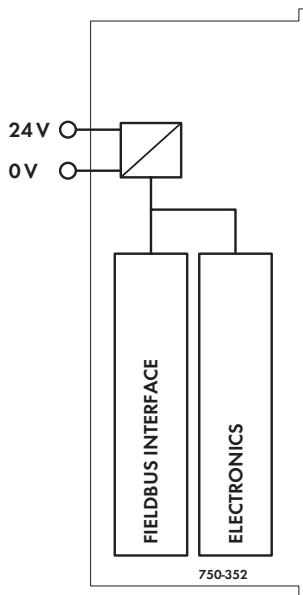
The DIP switch configures the last byte of the IP address and may be used for IP address assignment (DHCP, BootP, static).

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.

Description	Item No.	Pack. Unit
ETHERNET Coupler	750-352	1
Accessories		
Miniature WSB Quick marking system		
 plain	248-501	5
with marking	see Full Line Catalog 2010/2011 Volume 3, Section 1	
Approvals		
Conformity marking	CE	
UL 508		
Shipbuilding	GL (Germanischer Lloyd)	

System Data	
No. of couplers connected to Master	limited by ETHERNET specification
Transmission medium	Twisted Pair S-UTP 100 Ω, Cat 5; Max. line length: 100 m
Baud rate	10/100 Mbit/s
Transmission performance	Class D acc. to EN 50173
Buscoupler connection	2 x RJ-45
Protocols	EtherNet/IP, MODBUS/TCP (UDP), HTTP, BootP, DHCP, DNS, FTP, SNMP



Technical Data		General Specifications	
Number of I/O modules	64	Operating temperature	0 °C ... +55 °C
with bus extension	250	Wire connection	CAGE CLAMP®
Fieldbus		Cross sections	0.08 mm ² ... 1.5 mm ² / AWG 28 ... 14
Max. input process image	1020 words	Stripped lengths	5 ... 6 mm / 0.22 in
Max. output process image	1020 words	Dimensions (mm) W x H x L	50 x 65 x 97
Configuration	via PC		Height from upper-edge of DIN 35 rail
Voltage supply	24 V DC (-25 % ... +30 %)	Weight	110 g
Input current typ. at rated load (24 V)	280 mA	Storage temperature	-25 °C ... +85 °C
Efficiency of the power supply (typ.) at nominal load (24 V)	90 %	Relative air humidity (no condensation)	95 %
Internal current consumption (5 V)	450 mA	Vibration resistance	acc. to IEC 60068-2-6
Total current for I/O modules (5 V)	700 mA	Shock resistance	acc. to IEC 60068-2-27
Isolation	500 V system/supply	Degree of protection	IP20
		EMC: CE - immunity to interference	acc. to EN 61000-6-2 (2005)
		EMC: CE - emission of interference	acc. to EN 61000-6-3 (2007)
		EMC: marine applications	
		- immunity to interference	acc. to Germanischer Lloyd (2003)
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