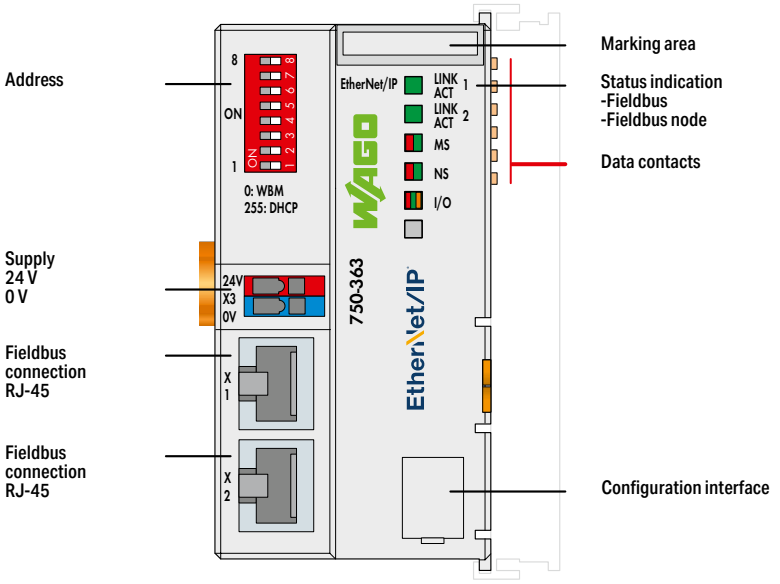
EtherNet/IP Fieldbus Coupler



The 750-363 EtherNet/IP Fieldbus Coupler connects connects the fieldbus system EtherNet/IP.
The fieldbus coupler automatically configures, creating a local process image which may include analog, digital or specialty modules. 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).

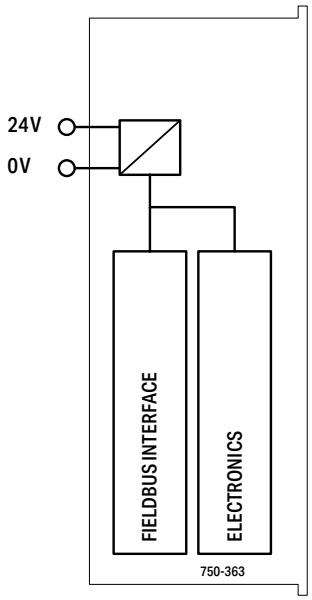
The coupler is designed for fieldbus communication in EtherNet/IP networks. It also supports a wide variety of standard ETHERNET protocols (e.g., HTTP(S), BootP, DHCP, DNS, SNMP, (S)FTP). An integrated Web server provides configuration and status information to the coupler. The coupler has an integrated supply terminal for the system voltage.
The field power jumper contacts are supplied via a separate supply module.

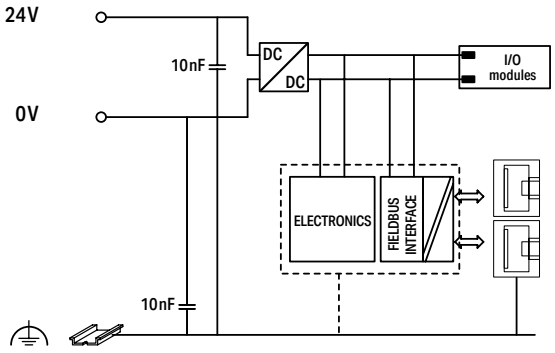
Description	Item No.	Pack. Unit
EtherNet/IP Fieldbus Coupler	**750-363**	1

Accessories	Item No.	Pack. Unit
Mini-WSB Quick Marking System, plain	**248-501**	50

Approvals	
Conformity marking	CE
Marine applications	DNV GL
E175199 Ordinary Locations	
TÜV 14 ATEX 148929 X	II 3G Ex ec IIC T4 Gc
IECEx TUN 14.0035 X	Ex ec IIC T4 Gc
UL E198726 Hazardous Locations	Cl I, Div 2, Group A, B, C, D, T4

Technical Data	
Communication	EtherNet/IP
ETHERNET protocols	HTTP(S), BootP, DHCP, DNS, (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 fieldbus nodes on master (max.)	Limited by ETHERNET specification





Technical Data	
Number of I/O modules per node (max.)	250
Number of I/O modules without bus	
extension (max.)	64
Configuration options	WAGO-I/O-CHECK; Web-Based Management
Input and output process image	
(internal) max.	1020 words/1020 words
Indicators	LED (LINK/ACT) green: Network connection Port 1 … 2; LED (MS, NS) red/green: Status of node, network; LED (I/O) red/green/orange: Internal data bus status
Supply voltage (system)	24 VDC (−25 … 30 %); via wiring level (CAGE CLAMP® connection)
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 %
Current consumption (system supply)	
(5 V)	350 mA
Isolation	500 V (system/supply)

General Specifications	
Connection technology:	
communication/fieldbus	EtherNet/IP: 2 x RJ-45
Connection technology: system supply	CAGE CLAMP®
Conductor cross-sections	0,08 … 1,5 mm² / 28 … 14 AWG
Strip length	5 … 6 mm / 0.22 inch
Dimensions W x H x D (mm)	49,5 x 64,7 x 96,8;
	Height from upper-edge of DIN-rail
Mounting type	DIN-35 rail
Color	Light gray
Housing material	Polycarbonate, polyamide 6.6
Weight	105.1 g
Surrounding air temperature (operation)	0 … 55 °C
Surrounding air temperature (storage)	-40 … +85 °C
Protection type	IP20
Pollution degree	2 per IEC 61131-2
Operating altitude	0 … 2000 m
Mounting position	Any
Relative humidity (without condensation)	95 %
Vibration resistance	4g gemäß IEC 60068-2-6
Shock resistance	15g gemäß 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