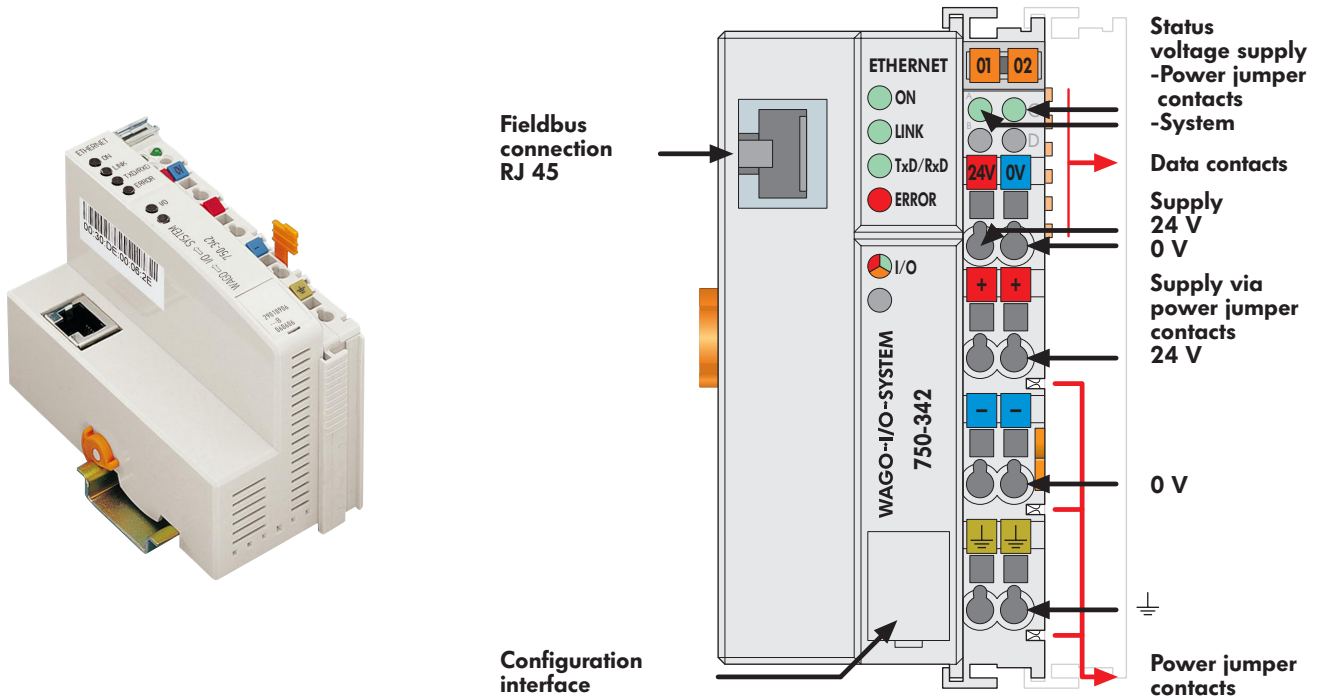


ETHERNET TCP/IP
Fieldbus Coupler; 10 Mbits/s; digital and analog signals



The ETHERNET TCP/IP fieldbus coupler supports a number of network protocols in order to transmit process data via ETHERNET TCP/IP. All relevant IT standards are met. This makes it possible to easily add the fieldbus coupler to existing local or global networks (LAN, Internet).

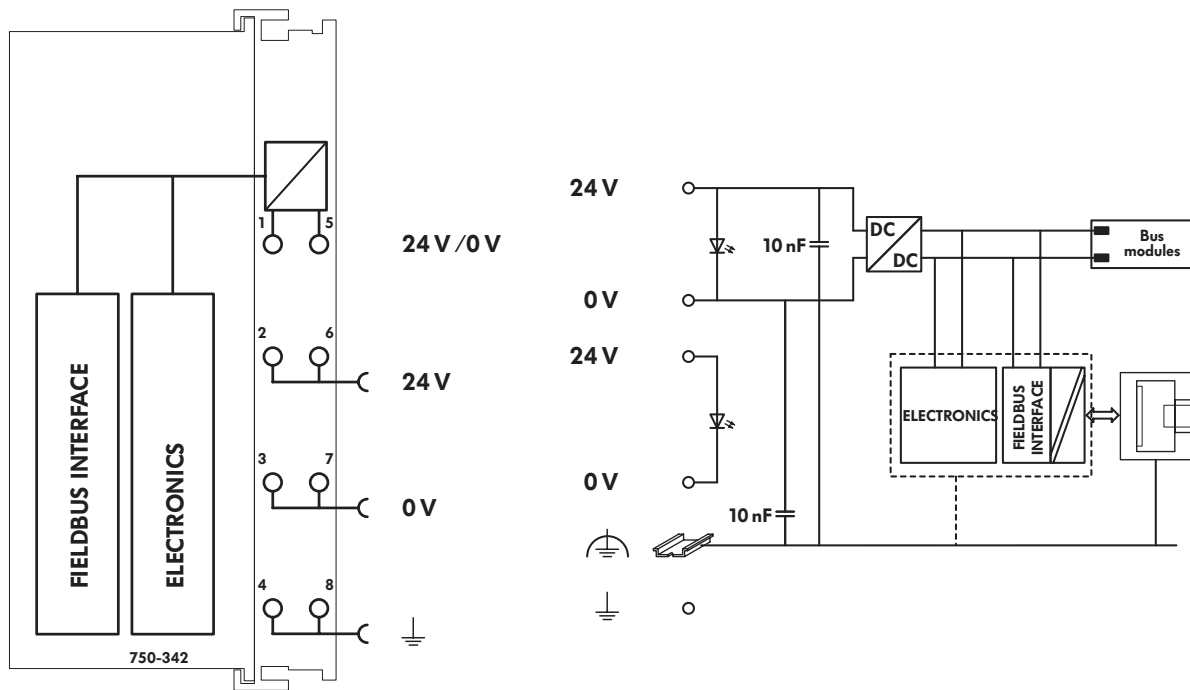
The use of the ETHERNET fieldbus guarantees data transmission between the factory and the office without interruptions. Furthermore, the ETHERNET TCP/IP fieldbus coupler offers the possibility of remote monitoring, which allows location-independent process control.


The process data exchange is done using the MODBUS/TCP Protocol. The buscoupler automatically creates a local process image according to the order in which the modules are connected to the buscoupler.

The HTML pages that are stored in the fieldbus coupler allow access to information on configuration, status, or I/O data of the ETHERNET TCP/IP fieldbus coupler. Only a standard WEB browser is required.

Through the dynamic configuration of the IP addresses via BootP server designing the network becomes very easy and flexible.

Description	Item-No.	Pack.-unit pcs	System Data	
ETHERNET TCP/IP 10MBit	750-342	1	Max. no. of nodes	limited by ETHERNET specification
			Transmission medium	Twisted Pair S-UTP 100 Ω cat. 5
			Buscoupler connection	RJ45
			Max. length of fieldbus segment	100 m between hub station and 750-342 max. length of network limited by ETHERNET specification
			Baud rate	10 Mbits/s
			Protocols	MODBUS/TCP, HTTP, BootP MODBUS/UDP



Technical Data		General specifications	
Max. no. of I/O modules	64	Operating temperature	0 °C ... +55 °C
Fieldbus		Wire connection CAGE CLAMP®	0.08 mm ² ... 2.5 mm ² ; AWG 28 ... 14
-Input process image	max. 512 bytes		8 ... 9 mm / 0.33 in stripped length
-Output process image	max. 512 bytes	Dimensions (mm) W x H x L	51 x 65* x 100
Max. number of socket connections	1 HTTP		* from upper edge of DIN 35 rail
	3 MODBUS/TCP	Weight	ca 195 g
Voltage supply	DC 24 V (-25 % ... +30 %)	Storage temperature	-25 °C ... +85 °C
Input current max.	500 mA at 24 V	Relative air humidity	95 % no condensation
Efficiency of the power supply	87 %	Vibration and shock resistance	acc. to IEC 60068-2-6
Internal current consumption	200 mA at 5 V	shock resistance	acc. to IEC 60068-2-27
Total current for I/O modules	1800 mA at 5 V	Degree of protection	IP 20
Isolation	500 V system / supply	EMC CE -Immunity to interference	acc. to EN 50082-2 (1996)
Voltage via power jumper contacts	DC 24 V (-25 % ... +30 %)	EMC CE -Emission of interference	acc. to EN 50081-1 (1993)
Current via power jumper contacts max.	DC 10 A	EMC marine applications -Immunity to interf.	acc. to Germanischer Lloyd (1997)
		EMC marine applications -Emission of interf.	acc. to Germanischer Lloyd (1997)
		Approvals	
		e U _{is} and marine applications	see pages 1.10 ... 1.13
		Ex	II 3 GD EEx nA II T4, Class I Div2 ABCD T4A
		Conformity marking	CE
		Accessories	
		Item-No.	Pack.-unit pcs
Miniature WSB quick marking system			
	plain	248-501	5
	with marking	see pages 1.174 ... 1.175	