

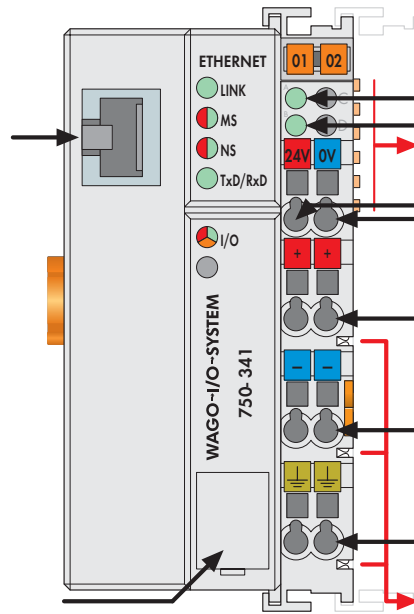
ETHERNET TCP/IP Fieldbus Coupler

10/100 Mbits/s; digital and analog signals



Fieldbus connection RJ 45

Configuration interface



Status voltage supply -System
-Power jumper contacts
Data contacts

Supply 24 V
0 V

Supply via power jumper contacts 24 V

0 V


Power jumper contacts

This fieldbus coupler allows connection of the WAGO-I/O-SYSTEM as a slave to the ETHERNET fieldbus.

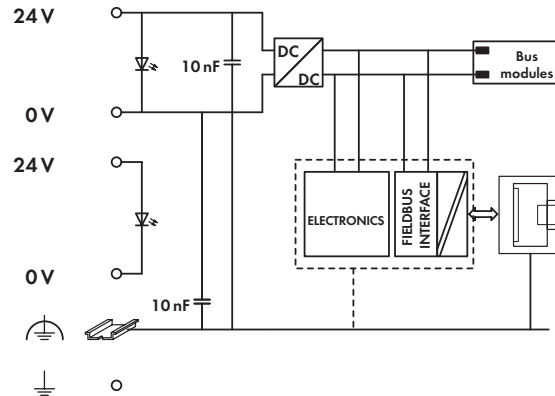
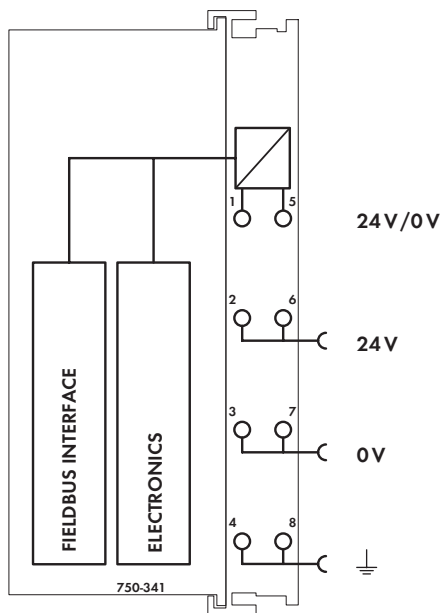
HTML pages can be placed on an internal server for use in WEB-based applications.

The fieldbus coupler is capable of supporting all I/O modules. The buscoupler automatically configures, creating a local process image which may include analog, digital or specialty modules. Analog and specialty data is sent via words and/or bytes, digital data is sent bit by bit.

This buscoupler is suitable for data rates of 10Mbit/s and 100Mbit/s. The buscoupler offers many different application protocols which can be used for data acquisition or control (MODBUS, ETHERNET /IP) or for system managing and diagnostics (HTTP, BootP, DHCP, DNS, SNTP, FTP and SNMP).

Description	Item no.	Pack. unit
ETHERNET TCP/IP 100 MBit	750-341	1
Accessories		
Miniature WSB Quick marking system		
 plain	248-501	5
with marking	see pages 214 ... 215	
Approvals		
UL 508		
Marine applications	see pages 24 ... 27	
Conformity marking	CE	

System data	
No. of couplers connected to Master	limited by ETHERNET specification
Transmission medium	Twisted Pair S-UTP 100 Ω cat. 5
Max. length of fieldbus segment	100m between hub station and 750-341; max. length of network limited by ETHERNET specification
Baud rate	10/100 Mbits/s
Buscoupler connection	RJ45
Protocols	MODBUS/TCP (UDP), ETHERNET/IP, HTTP, BootP, DHCP, DNS, SNTP, FTP, SNMP



Technical Data		General Specifications	
Max. no. 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 ... 2.5 mm ² / AWG 28 ... 14
Max. input process image	2 kbytes	Stripped lengths	8 ... 9 mm / 0.33 in
Max. output process image	2 kbytes	Dimensions (mm) W x H x L	51 x 65 x 100
Configuration	via PC		Height from upper edge of DIN 35 rail
Voltage supply	DC 24 V (-25 % ... +30 %)	Weight	approx. 179.5 g
Max. input current (24V)	500 mA	Storage temperature	-25 °C ... +85 °C
Efficiency of the power supply	87 %	Relative humidity (without condensation)	95 %
Internal current consumption (5V)	300 mA	Vibration resistance	acc. to IEC 60068-2-6
Total current for I/O modules (5V)	1700 mA	Shock resistance	acc. to IEC 60068-2-27
Isolation	500 V system / supply	Degree of protection	IP20
Voltage via power jumper contacts	DC 24 V (-25 % ... +30 %)	EMC CE-Immunity to interference	acc. to EN 50082-2 (1996), EN 61000-6-2 (1999)
Current via power jumper contacts (max.)	DC 10 A	EMC CE-Emission of interference	acc. to EN 50081-2 (1994)
		EMC marine applications -	
		Immunity to interference	acc. to Germanischer Lloyd (2001)
		EMC marine applications -	
		Emission of interference	acc. to Germanischer Lloyd (2001)