

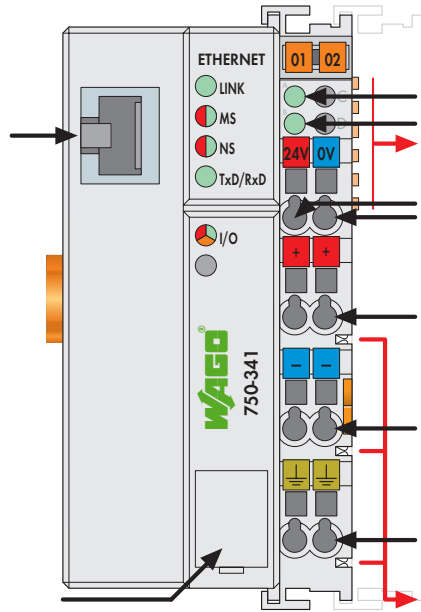
1 ETHERNET TCP/IP Fieldbus Coupler

56 10/100 Mbit/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

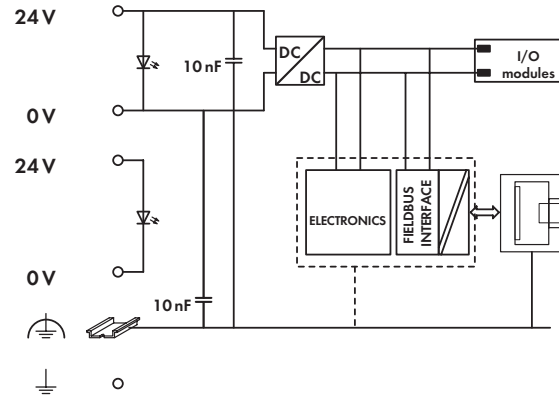
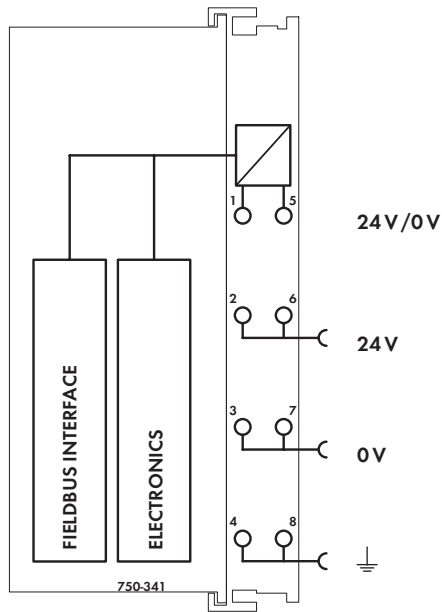
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Power jumper contacts

This fieldbus coupler connects the WAGO-I/O-SYSTEM as a slave to the ETHERNET fieldbus. 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). HTML pages can be placed on an internal server for use in Web-based applications.

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 304 ... 305	
Approvals		
Conformity marking	CE	
UL 508		
ANSI/ISA 12.12.01	Class I, Div. 2, Grp. ABCD, T4	
EN 60079-15	I M2 / II 3 GD Ex nA IIC T4	
Shipbuilding	see "Approvals Overview" in section 1	

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	100 m between hub station and 750-341; max. length of network limited by ETHERNET specification
Baud rate	10/100 Mbit/s
Buscoupler connection	RJ-45
Protocols	MODBUS/TCP (UDP), EtherNet/IP, HTTP, BootP, DHCP, DNS, SNTP, 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 ... 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	24 V DC (-25 % ... +30 %)	Weight	179.5 g
Max. input current (24 V)	500 mA	Storage temperature	-25 °C ... +85 °C
Efficiency of the power supply	87 %	Relative air humidity (no condensation)	95 %
Internal current consumption (5 V)	300 mA	Vibration resistance	acc. to IEC 60068-2-6
Total current for I/O modules (5 V)	1700 mA	Shock resistance	acc. to IEC 60068-2-27
Isolation	500 V system/supply	Degree of protection	IP20
Voltage via power jumper contacts	24 V DC (-25 % ... +30 %)	EMC C Immunity to interference	acc. to EN 61000-6-2 (2005)
Current via power jumper contacts (max.)	10 A DC	EMC C Emission of interference	acc. to EN 61000-6-3 (2007)
		EMC marine applications - Immunity to interference	acc. to Germanischer Lloyd (2003)
		EMC marine applications - Emission of interference	acc. to Germanischer Lloyd (2003)