ETHERNET TCP/IP Fieldbus Coupler

Fieldbus

interface

10/100 Mbit/s; digital and analog signals





ETHERNET voltage supply LINK -System -Power jumper contacts connection RJ-45 **●**NS Data contacts ○TxD/RxD Supply 24 V 0 V **l**/0 Supply via power jumper contacts 24 V 0 V Configuration 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.

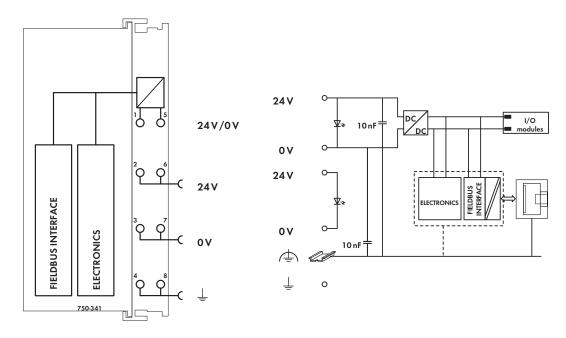
This buscoupler is suitable for data rates of 10MBit/s and 100MBit/s.

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
Product	discontinuation	Last call: 28.02.20	013
Product	substitutes:	750-352	
Accessories		Item No.	Pack. Unit
Miniature WSB Q	• ,		
Commission	plain	248-501	5
CHARLEST AND THE STREET	with marking	see pages 352 3	
Approvals		Also see "Approvals Overview"	in Section 1
Approvals Conformity marking	ı	Also see "Approvals Overview"	in Section 1
	l.		
Conformity marking		CE	
Conformity marking Shipbuilding		CE	
Conformity marking Shipbuilding •®• UL 508	12.01	C€ ABS, BV, DNV, GL, KR, LR, NKK Class I, Div. 2, Grp. ABCD, T4	
Conformity marking Shipbuilding -®= UL 508 -®= ANSI/ISA 12.1	12.01 1, -15	CE ABS, BV, DNV, GL, KR, LR, NKK Class I, Div. 2, Grp. ABCD, T4 I M2 Ex d I	, PRS, RINA
Conformity marking Shipbuilding © UL 508 © ANSI/ISA 12.1 © EN 60079-0, -1	12.01 1, -15	CE ABS, BV, DNV, GL, KR, LR, NKK Class I, Div. 2, Grp. ABCD, T4 I M2 Ex d I	, PRS, RINA 750-341* 750-341*
Conformity marking Shipbuilding -®- UL 508 -®- ANSI/ISA 12.1 - EN 60079-0, -1	12.01 1, -15	CE ABS, BV, DNV, GL, KR, LR, NKK Class I, Div. 2, Grp. ABCD, T4 I M2 Ex d I II 3 G Ex nA IIC T4 II 3 D Ex tD A22 IP6X T135°C	, PRS, RINA 750-341* 750-341* 750-341*
Conformity marking Shipbuilding © UL 508 © ANSI/ISA 12.1 © EN 60079-0, -1	12.01 1, -15	CE ABS, BV, DNV, GL, KR, LR, NKK Class I, Div. 2, Grp. ABCD, T4 I M2 Ex d I II 3 G Ex nA IIC T4	, PRS, RINA 750-341* 750-341* 750-341*

Pack. Unit	System Data	
1	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
Pack.		
Unit		
5		
on 1		
RINA		
MINA		
11*		
11*		
41*		
+60°C		





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
Power 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)
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