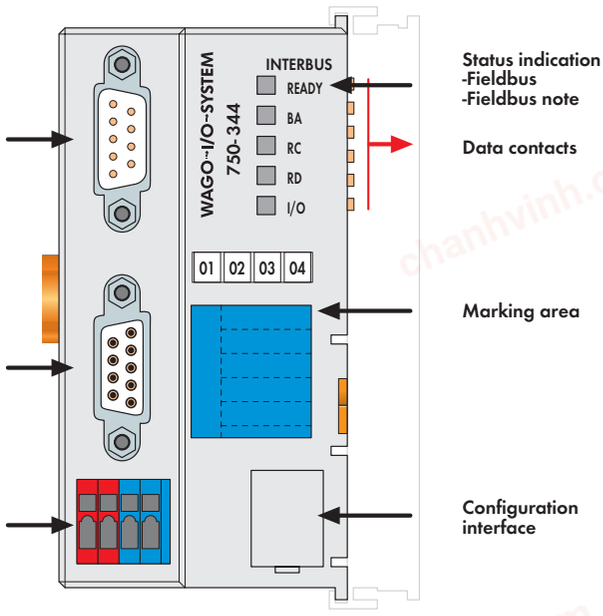
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750-344

INTERBUS ECO Fieldbus Coupler

500 kbaud; digital and analog signals





The ECO fieldbus coupler is designed for applications with a reduced scale I/O requirement. Using digital only process data or small amounts of analogs, while retaining all of the choice that's offered by the Series 750 I/O.

The coupler has an integrated supply terminal for the system voltage. The field power jumper contacts are supplied via a separate supply module.

The INTERBUS bus coupler automatically configures, creating a local process image which may include analog, digital or specialty modules.

INTERBUS allows the storing of the process image in the corresponding Master control (PLC, PC or NC).

The local process image is divided into two data zones containing the data received and the data to be sent. The process data can be sent via the INTERBUS fieldbus to the PLC, PC or NC for further processing, and received from the field via INTERBUS.

The data of the analog modules is stored in the process image which is created automatically according to the order in which the modules are connected to the buscoupler. The bits of the digital modules are sent byte by byte and added to the analog data. If the amount of digital information exceeds 8 bits, the buscoupler automatically starts with a new byte.

Description	Item no.	Pack. unit
INTERBUS ECO 500 kBd	**750-344**	1

Accessories		Item no.	Pack. unit
INTERBUS files	Download: www.wago.com		
Miniature WSB Quick marking system			
	plain	**248-501**	5
	with marking	see pages 214 ... 215	

Standards and Approvals

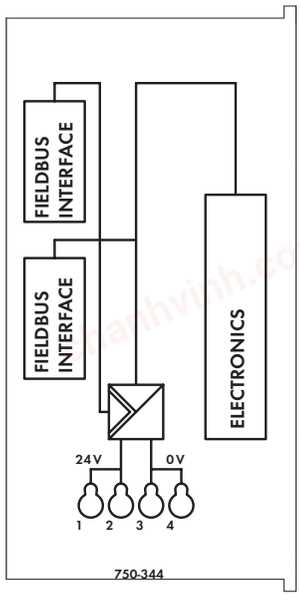
Standard	EN 50254
UL 508	
EN 50021	II 3 GD EEx nA II T4
UL 1604	Class I Div2 ABCD T4A
Conformity marking	CE

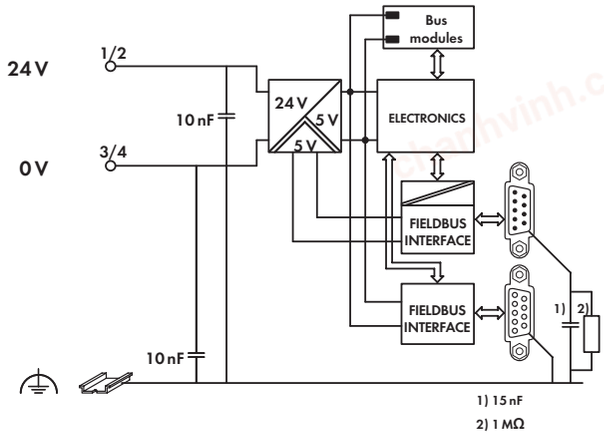
System data

No. of couplers connected to Master	256
Max. no. Of I/O points	4096 (depends on master)
Transmission medium	certified Cu cable
Max. length of fieldbus segment	400 m
Baud rate	500 kbaud
Transmission time	typ. 1.43 ms (10 Module; 32 I, 32 O/Mod)
Buscoupler connection	1 x D-Sub 9; plug for input interface 1 x D-Sub 9; socket for output interface

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Technical Data

Max. no. of I/O modules	64
Fieldbus	
Max. input process image	20 bytes
Max. output process image	20 bytes
Configuration	via PC or PLC
Voltage supply	DC 24 V (-15 % ... +20 %)
Input current typ. at rated load (24 V)	260 mA
Efficiency of the power supply typ	
at nominal load (24 V)	80 %
Internal current consumption (5V)	350 mA
Total current for I/O modules (5V)	650 mA

General Specifications

Operating temperature	0 °C ... +55 °C
Wire connection	CAGE CLAMP®
Cross sections	0.08 mm² ... 1.5 mm² / AWG 28 ... 14
	AWG 12 /14: THHN, THWN
Stripped lengths	5 ... 6 mm / 0.22 in
Dimensions (mm) W x H x L	50 x 65 x 97
	Height from upper edge of DIN 35 rail
Weight	approx. 115 g
Storage temperature	-25 °C ... +85 °C
Relative humidity (without condensation)	95 %
Vibration resistance	acc. to IEC 60068-2-6
Shock resistance	acc. to IEC 60068-2-27
Degree of protection	IP 20
EMC CE-Immunity to interference	acc. to EN 50082-2 (1996)
EMC CE-Emission of interference	acc. to EN 50081-2 (1994)