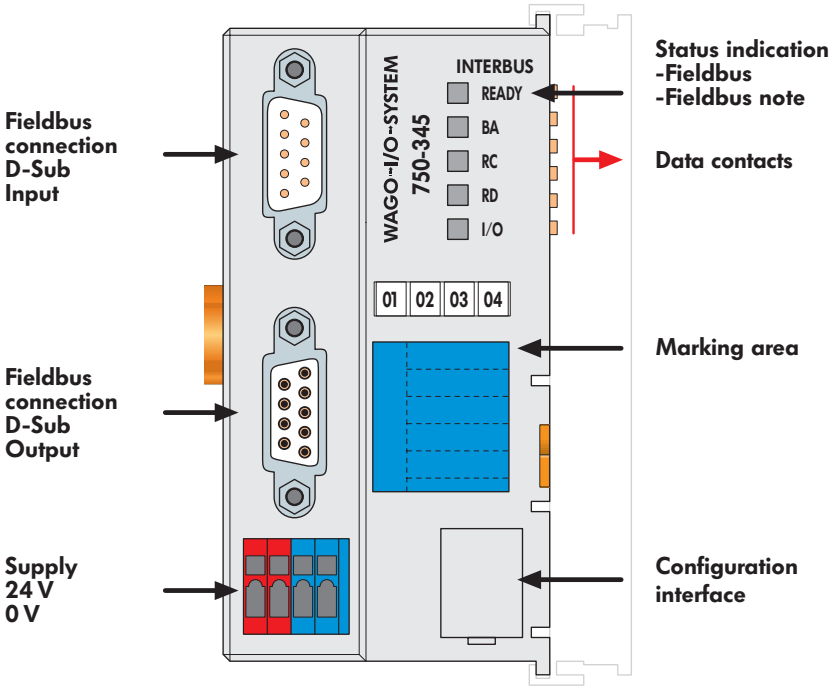
INTERBUS
ECO Fieldbus Coupler; EN 50254; 2 MBaud; digital and analog signals



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 is capable of supporting all I/O modules and automatically configures, creating a local process image.

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 pcs
ECO INTERBUS	**750-345**	1

System Data	
Max. no. of nodes	256
Max. no. of I/O points	4096 (depends on master)
Transmission medium	certified Cu cable
Max. length of fieldbus segment	150 m
Baud rate	2 MBaud
Transmission time	on request
Buscoupler connection	1 x D-Sub 9; plug for input interface
	1 x D-Sub 9; socket for output interface

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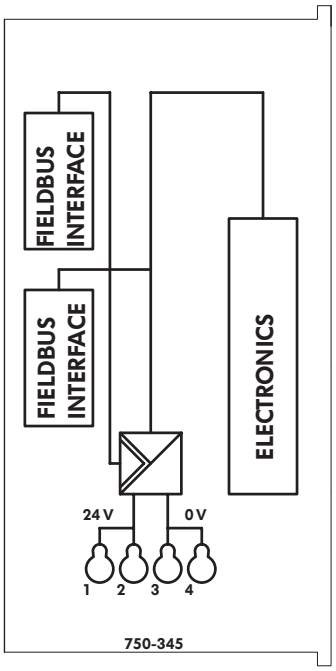

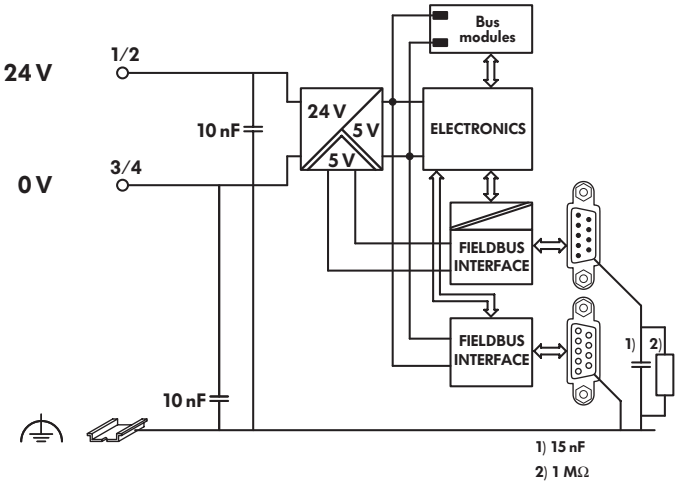

Technical Data

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

General specifications

Operating temperature	0 °C ... +55 °C
Wire connection CAGE CLAMP®	0.08 mm² ... 1.5 mm², AWG 28 ... 14 [1]
	5 ... 6 mm stripped length
Dimensions (mm) W x H x L	50 x 65* x 97
	* from upper edge of DIN 35 rail
Weight	ca 120 g
Storage temperature	-25 °C ... +85 °C
Relative air humidity	95 % no condensation
Vibration and	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)

[1] AWG 12/14 : THHN, THWN

Standards and Approvals

Standard	EN 50254
cULus	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
INTERBUS files		Download: www.wago.com	
Miniature WSB quick marking system			
	plain	**248-501**	5
	with marking	see pages 1.174 ... 1.175	