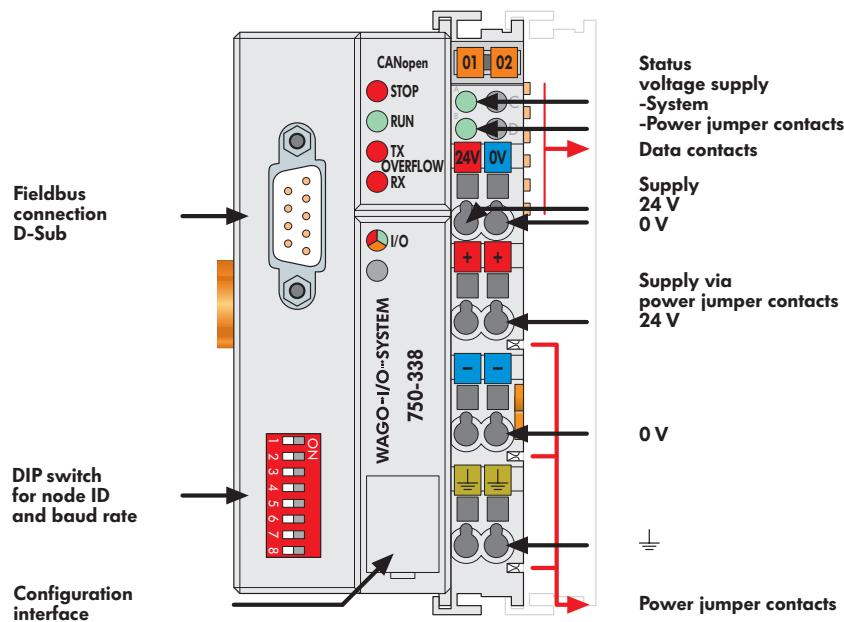


CANopen Fieldbus Coupler

10kbaud ... 1Mbaud; digital and analog signals



This buscoupler allows connection of the WAGO I/O SYSTEM as a slave to the CANopen fieldbus.

The module data is transmitted using PDOs and SDOs.

The buscoupler is capable of supporting all bus modules. The buscoupler automatically configures, creating a local process image which may include analog, digital or specialty modules. Analog and specialty module data is sent via words and/or bytes, digital data is packed into bytes.

CANopen 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.

Note: EDS files required

Description	Item No.	pcs
CANopen with D-Sub	750-338	1
Accessories	Item No.	pcs
EDS files	Download: www.wago.com	
Miniature WSB quick marker card,		
plain	248-501	5
with marking	see Full Line Catalog W4 Volume 3 pages 1.174 ... 1.175	
Approvals		
CE	see Full Line Catalog W4 Volume 3	
Conformity marking	CE	

The process data can be sent via the CANopen fieldbus to the PLC, PC or NC for further processing, and received from the field via CANopen.

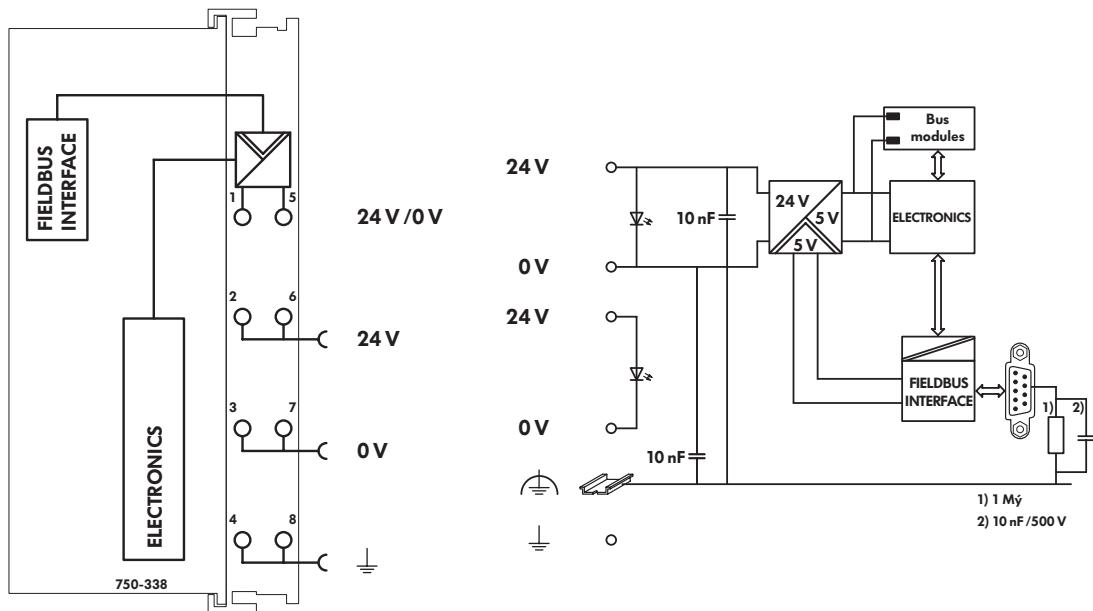
The data of the analog modules is stored in the PDOs according to the order in which the modules are connected to the buscoupler. The bits of the digital modules are sent byte by byte and also mapped in the PDOs. If the amount of digital information exceeds 8 bits, the buscoupler automatically starts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

All entries of the object dictionary can be mapped - as the user likes - in the 32 Rx PDOs and 32 Tx PDOs.

The complete input and output process image can be transmitted using SDOs.

System Data

Max. no. of nodes	110
Transmission medium	shielded Cu cable 3 x 0.25 mm ²
Buscoupler connection	1 x D-Sub 9; plug
Max. length of bus line	30 m ... 1000 m
	(depends on the baud rate /on the cable)
Baud rate	10 kbaud ... 1 Mbaud



Technical Data		General Specifications	
Max. no. of I/O modules per node	64	Operating temperature	0 °C ... +55 °C
Input process image	max. 512 bytes	Wire connection	CAGE CLAMP®
Output process image	max. 512 bytes	Stripped length	0.08 mm² ... 2.5 mm² / AWG 28 ... 14
Configuration	via PC or PLC	Dimensions (mm) W x H x L	8 mm ... 9 mm / 0.33 in
No. of PDOs	32 Tx / 32 Rx	*from upper edge of DIN 35 rail	51 x 65* x 100
No. of SDOs	2 Server SDO	Weight	ca 195 g
Communication profile	DS-301 V4.1	Storage temperature	-25 °C ... +85 °C
Device profile	DS-401 V 2.0	Relative air humidity (no condensation)	95 %
	marginal check	Vibration resistance	acc. to IEC 60068-2-6
	edge-triggered PDOs	Shock resistance	acc. to IEC 60068-2-27
	programmable error response	Degree of protection	IP 20
COB ID Distribution	SDO, standard	EMC CE - Immunity to interference	acc. to EN 61000-6-2 (2001)
Node ID Distribution	DIP switches	EMC CE - Emission of interference	acc. to EN 61000-6-3 (2001)
Other CANopen features	NMT Slave		
	Minimum Boot-up		
	Variables PDO Mapping		
	Emergency Message		
	Life Guarding		
Voltage supply	DC 24 V (-15% / + 20%)		
Input current max. (24 V)	500 mA		
Efficiency of the power supply	87 %		
Internal current consumption (5 V)	350 mA		
Total current for I/O modules (5 V)	1650 mA		
Isolation	500 V system / supply		
Voltage via power jumper contacts	DC 24 V (-15% / + 20%)		
Current via power jumper contacts max.	DC 10 A		