

CANopen Fieldbus Coupler

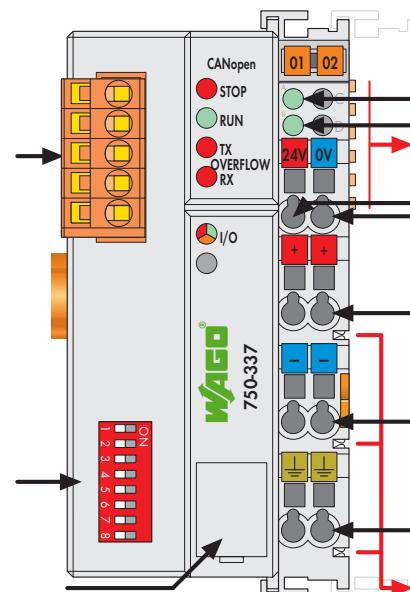
10 Kbaud ... 1 Mbaud; digital and analog signals



Fieldbus connection 231 Series (MCS)

DIP switch
for node ID
and baud rate

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

-

Power jumper contacts

This buscoupler connects the WAGO-I/O-SYSTEM as a slave to the CANopen fieldbus. The module data is transmitted using PDOs and SDOs. 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 sent bit by bit. 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 CANopen fieldbus to the PLC, PC or NC for further processing, and received from the field via CANopen.

Note: EDS files required

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. "Spacer modules" can be set via software.

Description	Item No.	Pack. Unit
CANopen MCS	750-337	1
CANopen MSS/T	750-337/025-000	1
Extended operating temperature range: -20 °C ... +60 °C		
Accessories	Item No.	Pack. Unit
EDS files	Download: www.wago.com	
Miniature WSB Quick marking system		
plain	248-501	5
with marking	see pages 352 ... 353	
Approvals	Also see "Approvals Overview" in Section 1	
Conformity marking	CE	
Shipbuilding (versions upon request)	ABS, BV, DNV, GL, KR, LR, NKK, PRS, RINA	
④ UL 508		
④ ANSI/ISA 12.12.01	Class I, Div. 2, Grp. ABCD, T4	750-337
④ IEC 60079-0, -15	BR-Ex nA II T4	750-337
④ EN 60079-0, -15	IM2 / II 3 GD Ex nA nL IIC T4	750-337
EN 61241-0, -1		

System Data		
No. of couplers connected to Master	110	
Transmission medium	Shielded Cu cable 3 x 0.25 mm ²	
Max. length of bus line	30 m ... 1000 m (depends on baud rate/cable)	
Baud rate	10 Kbaud ... 1 Mbaud	
Buscoupler connection	5-pole male connector, 231 Series (MCS), female connector 231-305/010-000 (included)	

