

750-312, 750-314, 750-315, 750-316

MODBUS Fieldbus Coupler

RS 232/485; 150 (1200) baud ... 19.2 (115.2) Kbaud; digital and analog signals

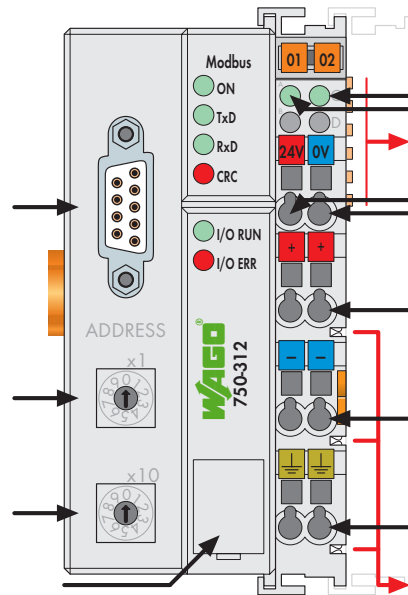


Fieldbus connection D-Sub

Address

Address

Configuration interface



Status voltage supply
-Power jumper contacts
-System

Data contacts

Supply
24 V
0 V

Supply via power jumper contacts
24 V

0 V


⊥

Power jumper contacts

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

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 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
MODBUS / RS 485 / 150 ... 19200 Bd	750-312	1
Product discontinuation	Last Call: 31.05.2018	
Product substitutes:	750-315/300-000	
MODBUS / RS 232 / 150 ... 19200 Bd	750-314	1
Product discontinuation	Last Call: 31.05.2018	
Product substitutes:	750-316/300-000	
MODBUS / RS 485 / 1.2 ... 115.2 kBd	750-315	1
Product discontinuation	Last Call: 31.05.2018	
Product substitutes:	750-315/300-000	
MODBUS / RS 232 / 1.2 ... 115.2 kBd	750-316	1
Product discontinuation	Last Call: 31.05.2018	
Product substitutes:	750-316/300-000	
Accessories	Item No.	Pack. Unit
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	ABS, BV, DNV, GL, KR, LR, NKK, PRS, RINA	
UL 508	Class I, Div. 2, Grp. ABCD, T4	
ANSI/ISA 12.12.01	750-314	
IEC 60079-0, -15	750-315	
	750-316	
EN 60079-0, -15	I M2 / II 3 GD Ex nA nL IIC T4	
EN 61241-0, -1		

System Data	
No. of couplers connected to Master	99 with repeater
Max. no. of I/O points	approx. 6000 (depends on master)
Transmission medium	Shielded Cu cable 2 (4) x 0.25 mm ²
Max. length of fieldbus segment	1200 m (depends on baud rate/cable)
Baud rate	150 baud ... 19200 baud (750-312, 750-314) 1.2 Kbaud ... 115.2 Kbaud (750-315, 750-316)
Buscoupler connection	1 x D-Sub 9; socket

