



Fieldbus Coupler MODBUS; RS-485; 115,2 kBd

Item No.: 750-315



Fieldbus Coupler MODBUS; RS-485; 115,2 kBd

Marking

RoHS ✓
Compliant

Business data

Supplier	WAGO
Item no.	750-315
GTIN / EAN	4045454658342
Content	1
Order amount	1
Customer item number	

Notes

Item description: This fieldbus coupler allows connection of the WAGO I/O SYSTEM as a slave to the MODBUS or fieldbus. The bus coupler recognizes all connected I/O modules and creates a local process image on this basis. 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. Hinweis: When implementing new installations, please consider 750-812, 750-814, 750-815 and 750-816 fieldbus controllers with extended functions.

Technical data

Miscellaneous

Technical data	
Color	light gray
Conformity marking	CE
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	1.2 Kbaud ... 115.2 Kbaud
Buscoupler connection	1 x D-Sub 9; socket
Number of I/O modules	64
Max. input process image	512 bytes
Max. output process image	512 bytes
Power supply	24 V DC (-25 % ... +30 %)
Max. input current (24 V) [mA]	500 [mA]
Power supply efficiency [%]	87 [%]
Internal current consumption (5 V) [mA]	350 [mA]
Total current for I/O modules (5 V) [mA]	1650 [mA]
Isolation	500 V system/supply
Voltage via power jumper contacts	24 V DC (-25 % ... +30 %)
Current via power jumper contacts (max.) [A]	DC10 A DC [A]
Degree of protection	IP20
Connection technology	CAGE CLAMP®
Strip length	8 ... 9 mm / 0.31 ... 0.35 Inch
Fire load [MJ]	3.249 [MJ]
Weight [g]	194.589 [g]
Width	50.5 mm / 1.988 Inch
Height	71.1 mm / 2.799 Inch
Height from upper-edge of DIN-35 rail	63.9 mm / 2.516 Inch
Depth	100 mm / 3.937 Inch
Storage temperature	-25 °C ... +85 °C
Relative air humidity (no condensation) [%]	95 [%]
Type of mounting	DIN-35 x 15 carrier rail
Operating temperature	0 °C ... +55 °C
EMC emission of interference	acc. to EN 61000-6-4, marine applications
EMC immunity to interference	acc. to EN 61000-6-2, marine applications
Shock resistance	acc. to IEC acc. to IEC 60068-2-27

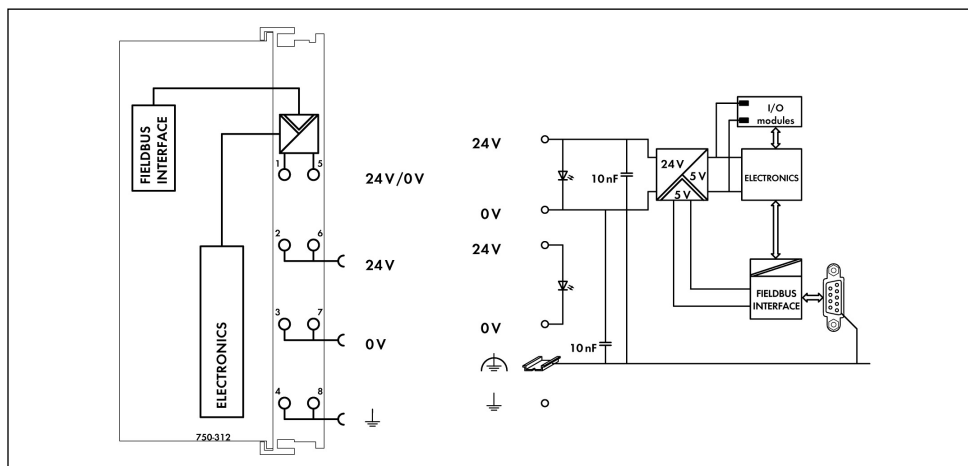
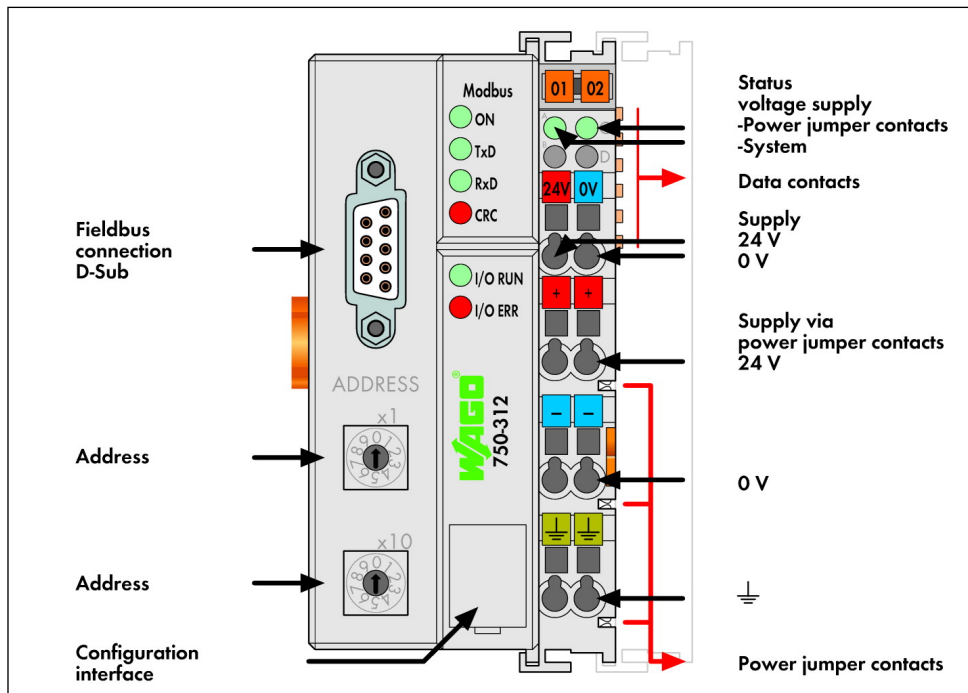
Technical data

Vibration resistance

acc. to IEC acc. to IEC 60068-2-6

Images & drawings





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Technische Änderungen und Irrtümer vorbehalten.