

CANopen ECO fieldbus coupler, D-Sub; 10 Kbaud ... 1 Mbaud; digital and analog signals

Item No.: 750-348



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Marking

RoHS ✓
Compliant

Business data

Supplier	WAGO
Item no.	750-348
GTIN / EAN	4045454395964
Content	1
Order amount	1
Customer item number	

Notes

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 CANopen bus coupler is capable of supporting all I/O modules and automatically configures, creating a local process image. 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. 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 5 Rx PDOs and 5 Tx PDOs. The complete input and output process image can be transmitted using SDOs. "Spacer modules" can be set via software. Notice: EDS files required

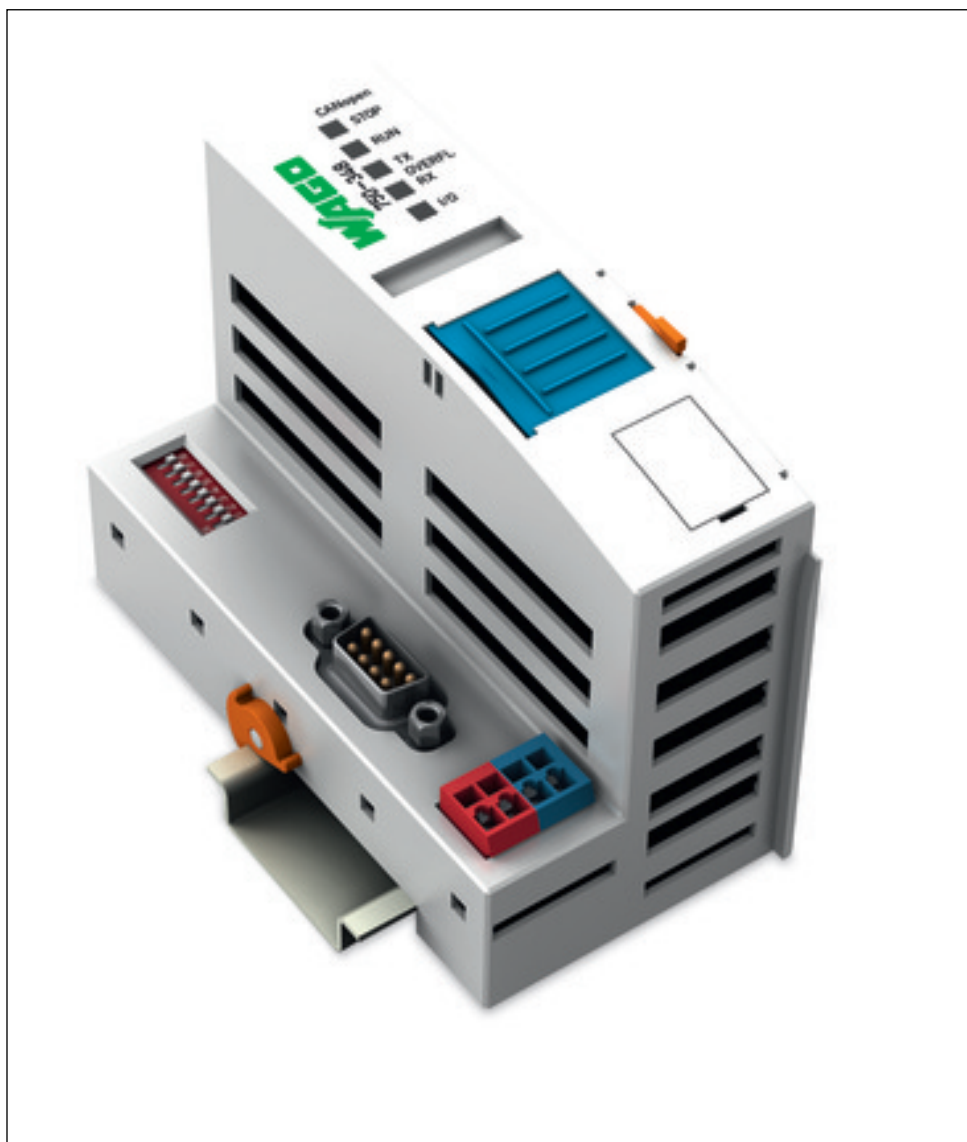
Technical data

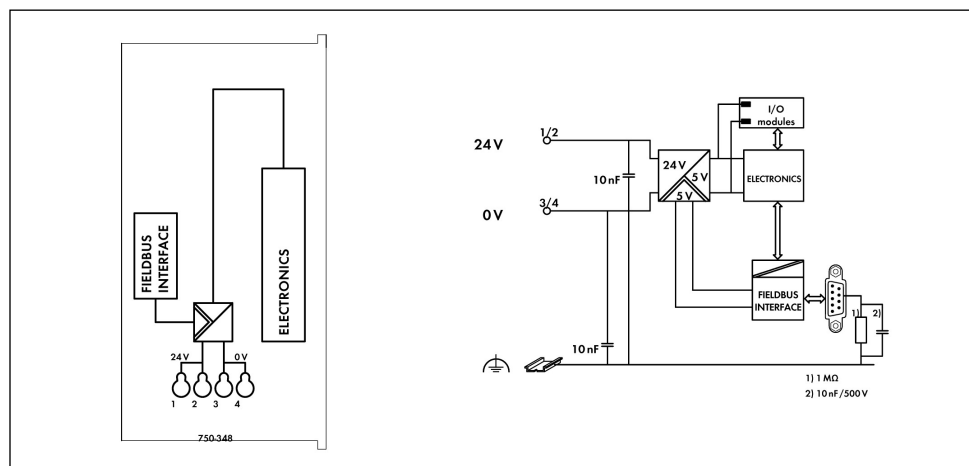
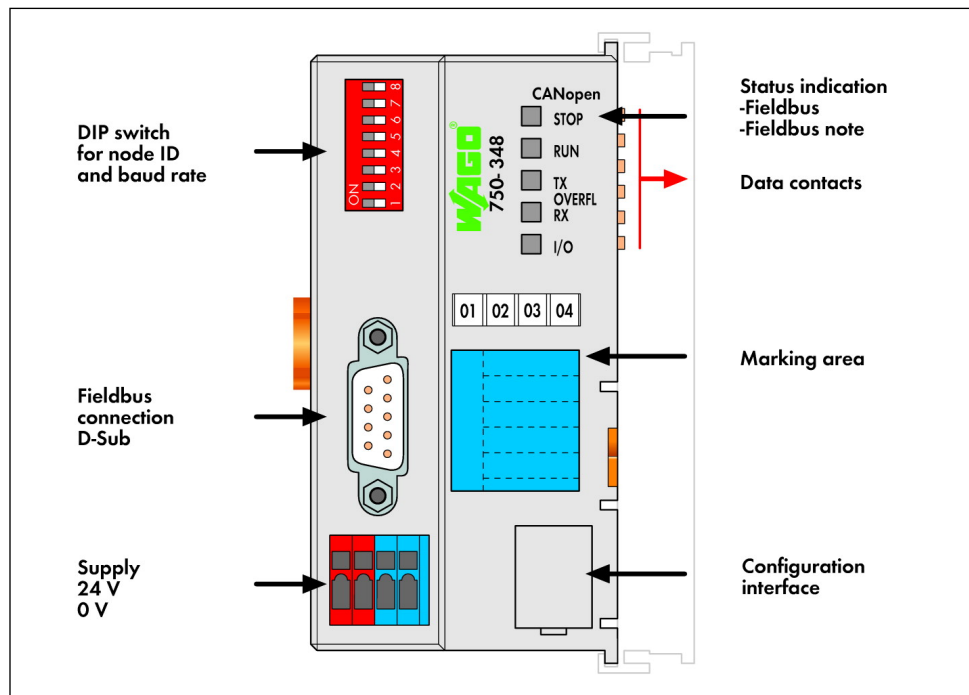
Miscellaneous

Technical data	
Color	light gray
Conformity marking	CE
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	1 x D-Sub 9; plug
Number of I/O modules	64
Max. input process image	32 bytes
Max. output process image	32 bytes
Configuration	via PC or PLC
No. of PDOs	5 Tx / 5 Rx
No. of SDOs	1 server SDO
Communication profile	DS-301 V4.1
Device profile	DS-401 V2.0
COB ID distribution	SDO, standard
Node ID distribution	DIP switches
Other CANopen features	NMT slave
Power supply	24 V DC (-25 % ... +30 %)
Input current typ. at rated load (24 V) [mA]	260 [mA]
Efficiency of the power supply (typ.) at nominal load (24 V)	80 [%]
Internal current consumption (5 V) [mA]	350 [mA]
Total current for I/O modules (5 V) [mA]	650 [mA]
Degree of protection	IP20
Connection technology (1)	CAGE CLAMP®
Solid sizes 1	0.08 ... 1.5 mm ² / 28 ... 14 AWG
Fine-stranded wires 1	0.08 ... 1.5 mm ² / 28 ... 14 AWG
Strip length 1	5 ... 6 mm / 0.2 ... 0.24 in
Note (conductor cross-section)	14 AWG: THHN, THWN
Weight [g]	115 [g]
Width	50 mm / 1.969 in
Height from upper-edge of DIN-rail [mm]	65 [mm]
Height from upper-edge of DIN-rail	65 mm / 2.559 in

Technical data	
<i>Length</i>	<i>97 mm / 3.819 in</i>
<i>Storage temperature</i>	<i>-25 °C ... +85 °C</i>
<i>Relative air humidity (no condensation) [%]</i>	<i>95 [%]</i>
<i>Type of mounting</i>	<i>DIN 35 rail</i>
<i>Operating temperature</i>	<i>0 °C ... +55 °C</i>
<i>EMC emission of interference</i>	<i>acc. to EN 61000-6-4, marine applications</i>
<i>EMC immunity of interference</i>	<i>acc. to EN 61000-6-2, marine applications</i>
<i>Shock resistance</i>	<i>acc. to IECacc. to IEC 60068-2-27</i>
<i>Vibration resistance</i>	<i>acc. to IECacc. to IEC 60068-2-6</i>

Images & drawings





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Technische Änderungen und Irrtümer vorbehalten.