



Fieldbus Coupler PROFIBUS DP; 12 MBd; ECO

Item No.: 750-343



Fieldbus Coupler PROFIBUS DP; 12 MBd; ECO

Marking

RoHS ✓
Compliant

Business data

Supplier	WAGO
Item no.	750-343
GTIN / EAN	4045454422554
Content	1
Order amount	1
Customer item number	

Notes

Item description: 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. When initializing, the buscoupler determines the module structure of the node, to create the process image in PROFIBUS. In order to optimize addresses, the I/O modules with a bit width smaller than 8 are grouped in one byte. It is furthermore possible to deactivate I/O modules and to modify the image of the node according to the connected signals without having to modify the existing application. The diagnosis concept is based on diagnostics according to the EN 50170 standard. Therefore the programming of modules is not necessary to interpret the diagnostic information from each manufacturer. Hinweis: Notice: GSD files required Transmission time: typ. 1 ms (10 couplers; 32 digital I/Os per coupler at 12 Mbaud) max. 3.3 ms

Technical data

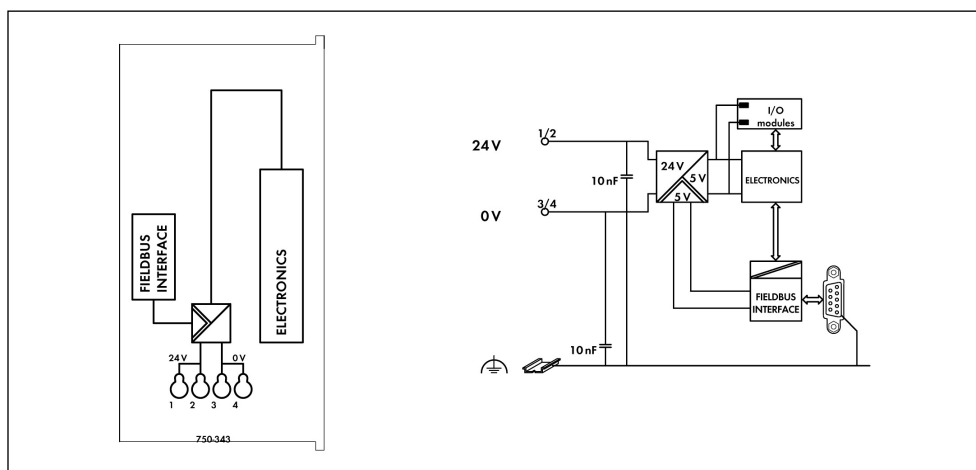
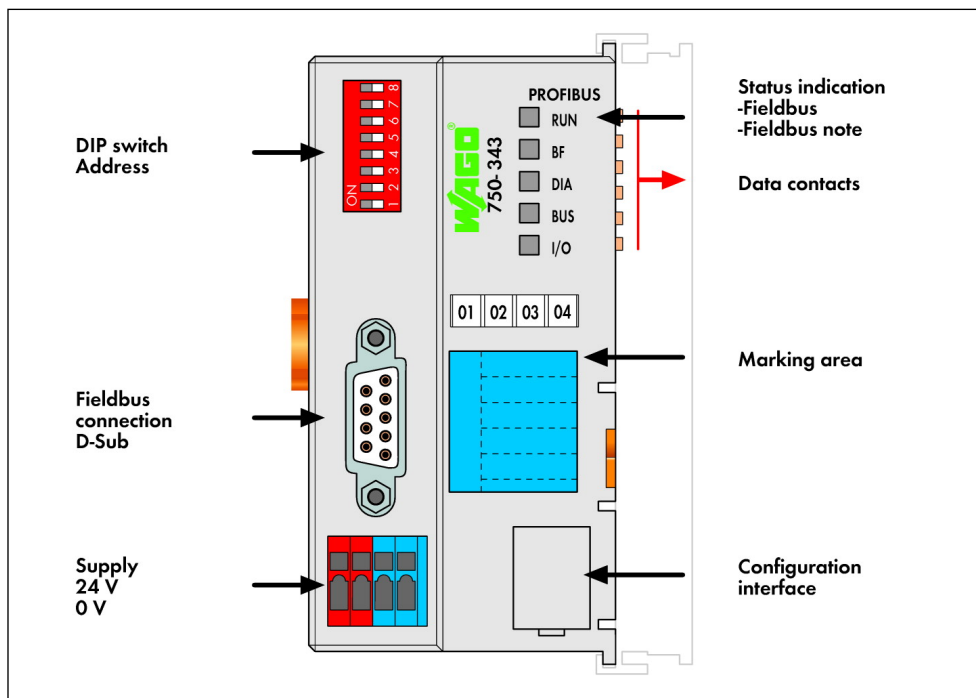
Technical data	
<i>Miscellaneous</i>	
<i>Color</i>	<i>light gray</i>
<i>Standard</i>	<i>EN 50170</i>
<i>Conformity marking</i>	<i>CE</i>
<i>No. of couplers connected to Master</i>	<i>125 with repeater</i>
<i>Max. no. of I/O points</i>	<i>approx. 6000 (depends on master)</i>
<i>Transmission medium</i>	<i>Cu cable acc. to EN 50170</i>
<i>Max. length of fieldbus segment</i>	<i>100 m ... 1200 m (depends on baud rate/cable)</i>
<i>Baud rate</i>	<i>9.6 Kbaud ... 12 Mbaud</i>
<i>Buscoupler connection</i>	<i>1 x D-Sub 9; socket</i>
<i>Number of I/O modules</i>	<i>63</i>
<i>Max. input process image</i>	<i>32 bytes</i>
<i>Max. output process image</i>	<i>32 bytes</i>
<i>Power supply</i>	<i>24 VDC (-25 % ... +30 %)</i>
<i>Input current typ. at rated load (24 V) [mA]</i>	<i>260 [mA]</i>
<i>Efficiency of the power supply (typ.) at nominal load (24 V)</i>	<i>80 [%]</i>
<i>Internal current consumption (5 V) [mA]</i>	<i>350 [mA]</i>
<i>Total current for I/O modules (5 V) [mA]</i>	<i>650 [mA]</i>
<i>Degree of protection</i>	<i>IP20</i>
<i>Connection technology</i>	<i>CAGE CLAMP®</i>
<i>Solid conductor</i>	<i>0.08 ... 1.5 mm² / 28 ... 14 AWG</i>
<i>Fine-stranded conductor</i>	<i>0.08 ... 1.5 mm² / 28 ... 14 AWG</i>
<i>Strip length</i>	<i>5 ... 6 mm / 0.2 ... 0.24 Inch</i>
<i>Note (conductor cross-section)</i>	<i>14 AWG: THHN, THWN</i>
<i>Weight [g]</i>	<i>110.425 [g]</i>
<i>Width</i>	<i>49.5 mm / 1.949 Inch</i>
<i>Height</i>	<i>71.9 mm / 2.831 Inch</i>
<i>Height from upper-edge of DIN-35 rail</i>	<i>64.7 mm / 2.547 Inch</i>
<i>Depth</i>	<i>96.8 mm / 3.811 Inch</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 x 15 carrier 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>

Technical data

<i>EMC immunity to 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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