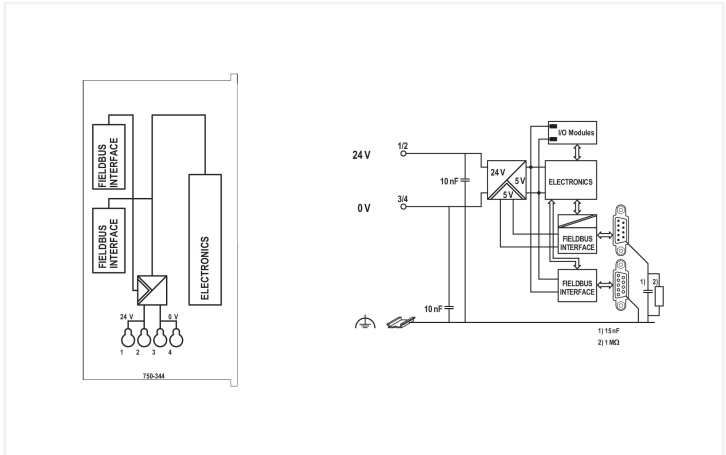
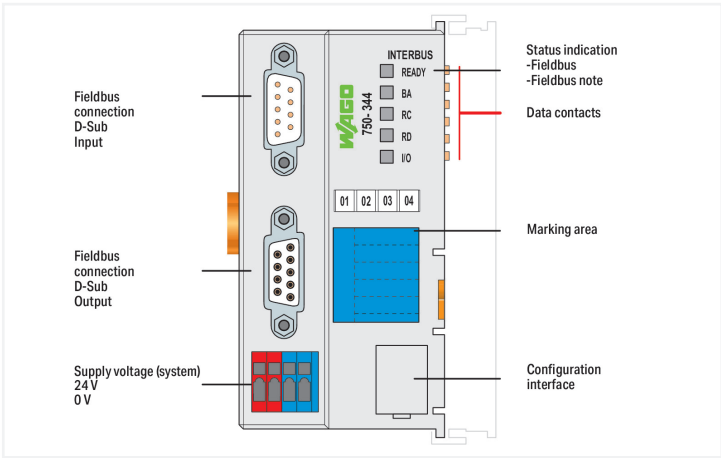




Color: ■ light gray



The ECO Fieldbus Coupler is designed for applications with a low data width in the process image. These are primarily applications that use digital process data or only low volumes of analog process data.

The system supply is provided directly by the coupler. The field supply is provided via a separate supply module.

The INTERBUS Fieldbus Coupler recognizes all connected I/O modules and creates a local process image.

The process image can be transferred via the INTERBUS fieldbus to the memory of the control system.

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 INTERBUS fieldbus to a control system for further processing. The process output data is sent via the INTERBUS.

The data of the analog modules is stored in the process image that is created automatically according to the order in which the modules are connected to the coupler. The bits of the digital modules are sent byte by byte and added to the analog data. If the amount of digital I/O information exceeds eight bits, the coupler automatically starts with a new byte.

Technical data	
Communications	INTERBUS
Number of fieldbus nodes on master (max.)	256
Number of I/O points	4096
Transmission rate	500 kBd
Bus segment length (max.)	400 m
Transmission medium	Certified Cu cable
Transmission time	1.43 ms (10 couplers; each 32 digital I/O)
Number of modules per node (max.)	64
Number of modules without a bus extension (max.)	64
Input and output process image (fieldbus) max.	20 bytes/20 bytes



Technical data		
Supply voltage (system)	24 VDC (-15 ... +20 %); via pluggable connector	
Current consumption (5 V system supply)	350 mA	
Total current (system supply)	650 mA	
Input current (typ.) at nominal load (24 V)	260 mA	
Power supply efficiency (typ.) at nominal load (24 V)	80 %	
Standard	EN 50254	

Connection data		
Connection technology: communication/fieldbus	INTERBUS: 1 x D-Sub 9 plug / D-Sub 9 socket	
Connection technology: system supply	4 x CAGE CLAMP®	
Connection technology: device configuration	1 x Male connector; 4-pole	
Connection type 1	System supply	
Solid conductor	0.08 ... 1.5 mm² / 28 ... 16 AWG	
Fine-stranded conductor	0.08 ... 1.5 mm² / 28 ... 16 AWG	
Strip length	5 ... 6 mm / 0.2 ... 0.24 inches	
Note (conductor cross-section)	14 AWG: THHN, THWN	

Physical data		
Width	49.5 mm / 1.949 inches	
Height	96.8 mm / 3.811 inches	
Depth	71.9 mm / 2.831 inches	
Depth from upper-edge of DIN-rail	64.7 mm / 2.547 inches	

Mechanical data		
Mounting type	DIN-35 rail	

Material data		
Color	light gray	
Housing material	Polycarbonate; polyamide 6.6	
Fire load	2.359 MJ	
Weight	115.5 g	
Conformity marking	CE	

Environmental requirements		
Ambient temperature (operation)	0 ... +55 °C	
Ambient temperature (storage)	-25 ... +85 °C	
Protection type	IP20	
Pollution degree	2 per IEC 61131-2	
Operating altitude	0 ... 2000 m / 0 ... 6562 ft	
Mounting position	Horizontal left, horizontal right, horizontal up, horizontal down, vertical top and vertical bottom	
Relative humidity (without condensation)	95 %	
Vibration resistance	per IEC 60068-2-6	
Shock resistance	15g per IEC 60068-2-27	
EMC immunity to interference	per EN 61000-6-2	
EMC emission of interference	per EN 61000-6-4	
Exposure to pollutants	per IEC 60068-2-42 and IEC 60068-2-43	
Permissible H ₂ S contaminant concentration at a relative humidity 75 %	10 ppm	
Permissible SO ₂ contaminant concentration at a relative humidity 75 %	25 ppm	



Commercial data		
Product Group	15 (I/O System)	
eCl@ss 10.0	27-24-26-07	
eCl@ss 9.0	27-24-26-07	
ETIM 9.0	EC001603	
ETIM 8.0	EC001603	
PU (SPU)	1 pcs	
Packaging type	Box	
Country of origin	DE	
GTIN	4017332790352	
Customs tariff number	85176200000	

Environmental Product Compliance		
CAS-No.	1303-86-2 1317-36-8 7439-92-1 79-94-7 80-43-3	
REACH Candidate List Substance	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol Diboron trioxide Lead Lead monoxide Peroxide, bis(1-methyl-1-phenylethyl)	
RoHS Compliance Status	Compliant,With Exemption	
RoHS Exemption	6(c) 7(a) 7(c)-I 7(c)-II	
SCIP notification number (Austria)	487c962b-863c-438e-acd9-e2fee5bf0d62	
SCIP notification number (Belgium)	1bb5405a-3bac-40e3-8c0a-ec2318a54e3a	
SCIP notification number (Bulgaria)	be0ca790-521c-4fa7-aa3f-bafecd5a6419	
SCIP notification number (Czech Republic)	da292d4b-8dd0-4376-ab4c-46e07b0b9bee	
SCIP notification number (Denmark)	c43f63b1-4cc5-4250-b2da-ecde71b436c2	
SCIP notification number (Finland)	fd73eeb2-a497-4e6f-8ae1-d3f81b66f83a	
SCIP notification number (France)	3201d43f-92d3-49cc-8c4e-af12feea2ea4	
SCIP notification number (Germany)	5386bad6-0295-4279-9677-609e690550b1	
SCIP notification number (Hungary)	323377eb-891b-4e3e-bd71-e34c28a8d226	
SCIP notification number (Italy)	123b0170-d5ec-46ea-ba62-836a35e6ec72	
SCIP notification number (Netherlands)	ea8420bd-7450-49e8-b1b8-87fe19954dd1	
SCIP notification number (Poland)	cf15a2fe-3687-4a83-8f47-34fccaffb512	
SCIP notification number (Romania)	09ee24c2-011c-45fa-94ed-a2b791d1c51a	
SCIP notification number (Sweden)	3972b5a1-e41a-4ef2-95a5-5b255a792a1b	

Approvals / Certificates		
General approvals		Declarations of conformity and manufacturer's declarations
  		
Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03083
KC National Radio Research Agency	Article 58-2, Clause 3	MSIP-REM-W43-FBC750
UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 508	E175199
Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Approvals for hazardous areas

PTB
0102



IECEX



Approval	Standard	Certificate Name
ATEX TUEV Nord Cert GmbH	EN 60079-0	TUEV14ATEX148929X (II 3 G Ex ec IIC T4 Gc)
CCCEX CQST/CNEx	CNCA-C23-01	2020312310000213 (Ex ec IIC T4 Gc)
IECEX TUEV Nord Cert GmbH	IEC 60079-0	IECEX TUN 14.0035 X (Ex ec IIC T4 Gc)
INMETRO TUV Rheinland do Brasil Ltda.	IEC 60079-0	TUV 12.1297 X
UKEx WAGO GmbH & Co. KG	EN 60079-0	UKCA_WA GO22UKEX003X_ec
UL Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS)	UL 121201	E198726

Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 750-344	

Documentation

Manual			
Product Manual INTER-BUS ECO Fieldbus Coupler	V 1.0.0	pdf 1470.78 KB	
System Manual Series 750/753			

System Description			
750/753 Series I/O-System – General Product Information		pdf 953.35 KB	
Overview on WAGO-I/O-SYSTEM 750 approvals		pdf 770.48 KB	

Bid Text			
750-344	19.02.2019	xml 6.15 KB	
750-344	21.07.2017	doc 29.50 KB	

Instruction Leaflet			
CCC Ex (Additional information)	26.04.2023	pdf 159.76 KB	



CAD/CAE-Data	
CAD data 2D/3D Models 750-344 ↓	CAE data EPLAN Data Portal 750-344 ↓
	WSCAD Universe 750-344 ↓
	ZUKEN Portal 750-344 ↓

Runtime Software			
Firmware			
0750-0344, Feldbus-koppler INTERBUS	V 03 19.10.2021	zip 547.33 KB	↓

Device Files			
Device Driver			
WAGO USB Service Kabel Treiber / Serie 750 und 857	6.5.3.0 10.09.2014	zip 4721.96 KB	↓

1 Compatible Products
1.1 Optional Accessories
1.1.1 Cables and connectors
1.1.1.1 Connector plug



Item No.: 750-961 INTERBUS fieldbus connector (IN); with D-sub female connector; 9-pole	Item No.: 750-962 INTERBUS fieldbus connector (OUT); with D-sub male connector; 9-pole
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1.1.2 Communication	
1.1.2.1 Communication cable	
	
Item No.: 750-923 Configuration cable; USB connector; Length: 2.5 m	Item No.: 750-923/000-001 Configuration cable; USB connector; Length: 5 m



1.1.3 DIN-rail

1.1.3.1 Mounting accessories

 Item No.: 210-196 Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslopped; similar to EN 60715; silver-colored	 Item No.: 210-198 Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslopped; according to EN 60715; copper-colored	 Item No.: 210-508 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slopped; galvanized; similar to EN 60715; silver-colored	 Item No.: 210-197 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slopped; similar to EN 60715; silver-colored
 Item No.: 210-506 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslopped; galvanized; similar to EN 60715; silver-colored	 Item No.: 210-114 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslopped; similar to EN 60715; silver-colored	 Item No.: 210-118 Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslopped; according to EN 60715; silver-colored	 Item No.: 210-115 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slopped; according to EN 60715; "Hole width 18 mm; silver-colored
 Item No.: 210-112 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slopped; according to EN 60715; "Hole width 25 mm; silver-colored	 Item No.: 210-504 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slopped; galvanized; according to EN 60715; silver-colored	 Item No.: 210-113 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslopped; according to EN 60715; silver-colored	 Item No.: 210-505 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslopped; galvanized; according to EN 60715; silver-colored

1.1.4 Marking

1.1.4.1 Marker

 Item No.: 2009-145/000-006 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue	 Item No.: 2009-145/000-007 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray	 Item No.: 2009-145/000-023 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green	 Item No.: 2009-145/000-012 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange
 Item No.: 2009-145/000-005 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red	 Item No.: 2009-145/000-024 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet	 Item No.: 2009-145 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white	 Item No.: 2009-145/000-002 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow
 Item No.: 248-501/000-006 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue	 Item No.: 248-501/000-007 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray	 Item No.: 248-501/000-023 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green	 Item No.: 248-501/000-017 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green
 Item No.: 248-501/000-012 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange	 Item No.: 248-501/000-005 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red	 Item No.: 248-501/000-024 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet	 Item No.: 248-501 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white
 Item No.: 248-501/000-002 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow			



1.1.5 Shield termination

1.1.5.1 Shield clamping saddles



Item No.: 790-108
Shield clamping saddle; 11 mm wide; diameter of compatible conductor; 3 ... 8 mm



Item No.: 790-208
Shield clamping saddle; 12.4 mm wide; 3 ... 8 mm



Item No.: 790-116
Shield clamping saddle; 19 mm wide; diameter of compatible conductor; 7 ... 16 mm



Item No.: 790-216
Shield clamping saddle; 21.8 mm wide; 6 ... 16 mm



Item No.: 790-124
Shield clamping saddle; 27 mm wide; diameter of compatible conductor; 6 ... 24 mm



Item No.: 790-220
Shield clamping saddle; 30 mm wide; 6 ... 20 mm



Item No.: 790-140
Shield clamping saddle; diameter of compatible conductor

1.1.6 System enclosure

1.1.6.1 System enclosure



Item No.: 850-825
IP65 enclosure; Aluminium (RAL 7032); WxHxD (160x100x160 mm); 9 x M12, 4 x M20



Item No.: 850-826
IP65 enclosure; Aluminium (RAL 7032); WxHxD (240x100x160 mm); 4 x M20, 4 x M16, 14 x M12 cable grip



Item No.: 850-827
IP65 enclosure; Aluminium (RAL 7032); WxHxD (320x100x160 mm); 4 x M20, 8 x M16, 17 x M12 cable grip



Item No.: 850-828
IP65 enclosure; Aluminium (RAL 7032); WxHxD (480x100x160 mm); 4 x M20, 10 x M16, 35 x M12 cable grip



Item No.: 850-826/002-000
IP65 enclosure; Aluminium (RAL 7035); WxHxD (240x100x160 mm); 4 x M20, 4 x M16, 14 x M12 cable grip



Item No.: 850-827/002-000
IP65 enclosure; Aluminium (RAL 7035); WxHxD (320x100x160 mm); 4 x M20, 8 x M16, 17 x M12 cable grip



Item No.: 850-828/002-000
IP65 enclosure; Aluminium (RAL 7035); WxHxD (480x100x160 mm); 4 x M20, 10 x M16, 35 x M12 cable grip



Item No.: 850-834
IP65 enclosure; Polyester (RAL 7032); WxHxD (164x100x164 mm); 9 x M12, 4 x M20



Item No.: 850-835
IP65 enclosure; Polyester (RAL 7032); WxHxD (244x100x164 mm); 4 x M20, 4 x M16, 14 x M12 cable grip



Item No.: 850-836
IP65 enclosure; Polyester (RAL 7032); WxHxD (324x100x164 mm); 4 x M20, 8 x M16, 17 x M12 cable grip



Item No.: 850-814/002-000
IP65 enclosure; Sheet steel (RAL 7035); WxHxD (200x120x200 mm); without flange plate



Item No.: 850-815/002-000
IP65 enclosure; Sheet steel (RAL 7035); WxHxD (300x120x200 mm); without flange plate



Item No.: 850-816/002-000
IP65 enclosure; Sheet steel (RAL 7035); WxHxD (400x120x200 mm); without flange plate



Item No.: 850-817/002-000
IP65 enclosure; Sheet steel (RAL 7035); WxHxD (600x120x200 mm); without flange plate

Subject to changes. Please also observe the further product documentation!

Current addresses can be found at: www.wago.com