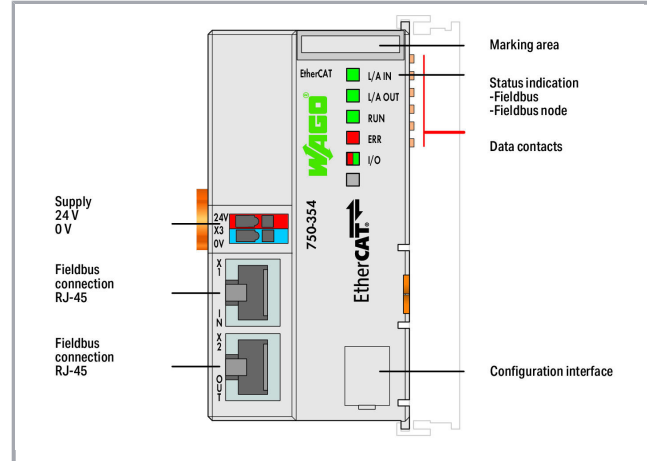
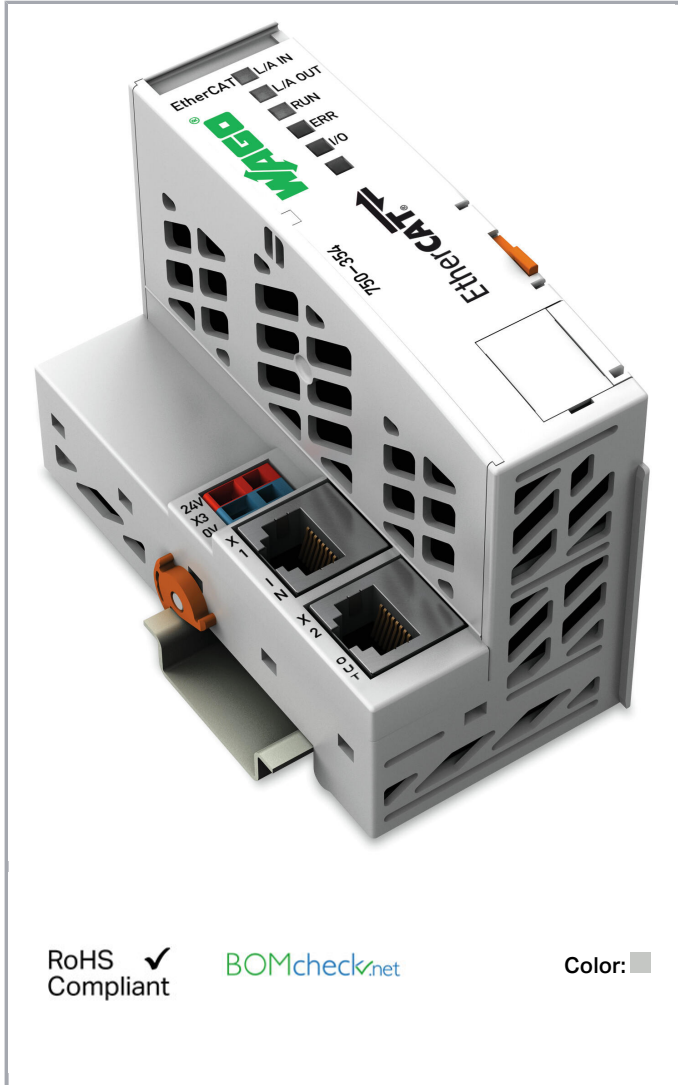


Data sheet | Item number: 750-354
Fieldbus Coupler EtherCAT; light gray

www.wago.com/750-354



RoHS Compliant

BOMcheck.net

Color:

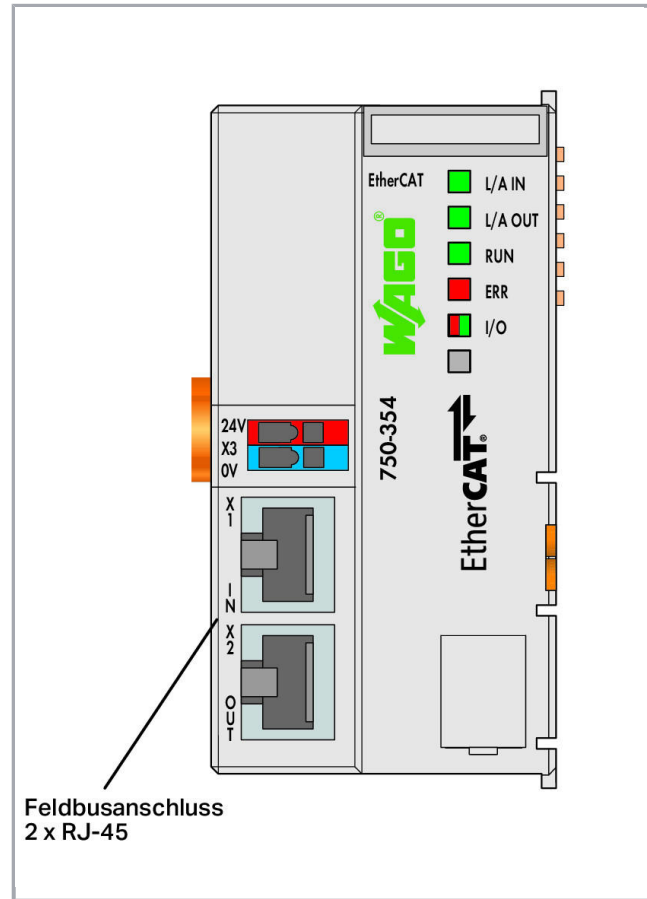
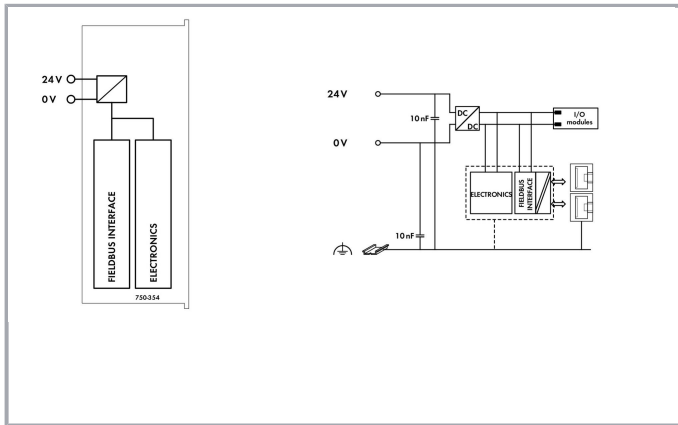
Subject to changes. Please also observe the further product documentation!

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Feldbusanschluss
2 x RJ-45

Item description

The EtherCAT Fieldbus Coupler connects EtherCAT to the modular WAGO I/O System.

The fieldbus coupler detects all connected I/O modules and creates a local process image. This process image may include a mixed arrangement of analog (word-by-word data transfer) and digital (bit-by-bit data transfer) modules.

The upper EtherCAT interface connects the coupler to the network. The lower RJ-45 socket may connect additional EtherCAT devices to the same line.

EtherCAT* (Ethernet Control Automation Technology) is a real-time ETHERNET solution designed for industrial automation applications and characterized by high performance, flexible topology and simple configuration. With EtherCAT, the costly ETHERNET star topology can be replaced with a simple line or tree structure.

Data

Technical Data

Communication	EtherCAT
Baud rate	100 Mbit/s
Transmission medium	Shielded twisted pair S/FTP, F/FTP or SF/FTP; 100 Ω; Cat. 6

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Transmission performance	Class D per EN 50173
Number of modules per node (max.)	64
Input and output (fieldbus) process image (max.)	1024 Byte/1024 Byte
Supply voltage (system)	DC 24 V(-25 ... +30 %); via pluggable connector
Power consumption (5 V system supply)	300 mA
Total current (system supply)	700 mA
Input current (typ.) at nominal load (24 V)	250 mA
Power supply efficiency (typ.) at nominal load (24 V)	85 %
Isolation	500 V system/field

Connection data

Connection technology: communication/fieldbus	EtherCAT: 2 x RJ-45
Connection technology: system supply	2 x CAGE CLAMP®
Connection technology: Device configuration	1 x Male connector; 4-pole
Connection type (1)	System supply
Solid conductor	0.08 ... 1.5 mm ² / 28 ... 14 AWG
Fine-stranded conductor	0.08 ... 1.5 mm ² / 28 ... 14 AWG
Strip length	5 ... 6 mm / 0.2 ... 0.24 inch
Note (conductor cross-section)	14 AWG: THHN, THWN

Geometrical Data

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

Mechanical data

Mounting type	DIN-35 rail
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Material Data

Color	light gray
Housing material	Polycarbonate, polyamide 6.6
Weight	102.9 g
Conformity marking	CE

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Data sheet | Item number: 750-354www.wago.com/750-354**Environmental Requirements**

Surrounding air temperature (operation)	0 ... 55 °C
Surrounding air temperature (storage)	-40 ... 85 °C
Protection type	IP20
Pollution degree (5)	2 per IEC 61131-2
Operating altitude	0 ... 2000 m
Mounting position	horizontal (standing/lying); vertical
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 61000-6-3
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 (Remote I/O)
Packaging type	BOX
Country of origin	DE
GTIN	4050821086819
Customs tariff number	85176200000

Approvals / Certificates**Ex-Approvals**

Logo	Approval	Additional Approval Text	Certificate name
	ATEX TUEV Nord Cert GmbH	EN 60079-0	TÜV 07 ATEX 554086 X en.
	TUEV Nord TUEV Nord Cert GmbH	IEC 60079-0	IECEX TUN 09.0001 X

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UL
Underwriters Laboratories Inc. (HAZARDOUS
LOCATIONS)


UL 121201

E198726
Sec.1

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	KC National Radio Research Agency	Article 58-2, Clause 3	MSIP- REM-W43- FBC750

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL UL International Netherlands B.V. (ORDINARY LOCATIONS)	UL 508	E175199 Sec.1

Product family

750/753 Series – I/O System
[Show all products from the family](#)

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