

EtherCAT Fieldbus Coupler

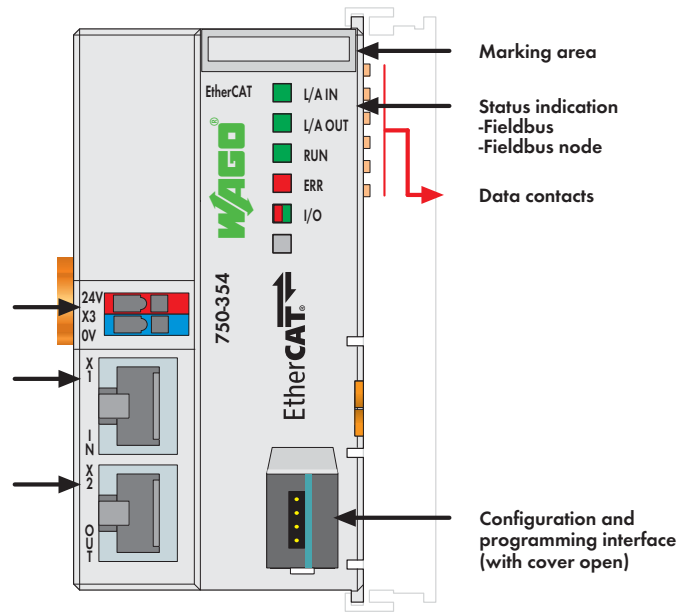
100 Mbit/s; digital and analog signals



Supply
24 V
0 V

Fieldbus connection
RJ-45

Fieldbus connection
RJ-45





The 750-354 EtherCAT Fieldbus Coupler connects EtherCAT to the modular WAGO-I/O-SYSTEM.

The fieldbus coupler automatically configures, creating a local process image which may include analog, digital or specialty modules. Analog and specialty module data is sent via words and/or bytes; digital data is sent bit by bit.

The "upper" EtherCAT interface connects the coupler to the network.
The "lower" RJ-45 socket connects 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.

| Description | Item No. | Pack. Unit |
|---|---|------------|
| EtherCAT® Coupler | 750-354 | 1 |
| Accessories | | |
| Miniature WSB Quick marking system | | |
|  plain | 248-501 | 5 |
| with marking | see Section 11 | |
| Approvals | | |
| Conformity marking | CE | |
| Korea Certification |  | |
| UL 508 | | |
| ANSI/ISA 12.12.01 | Class I, Div. 2, Grp. ABCD, T4 | |
| TÜV 07 ATEX 554086 X | I M2 Ex d I Mb, II 3 G Ex nA IIC T4 Gc, II 3 D Ex tc IIIC T135°C Dc | |
| IECEX TUN 09.0001 X | Ex d I Mb, Ex nA IIC T4 Gc, Ex tc IIIC T135°C Dc | |

| System Data | |
|---|-----------------------------------|
| No. of couplers connected to Master | limited by EtherCAT specification |
| Transmission medium | Shielded twisted pair |
| | S/FTP, F/FTP or SF/FTP; |
| | 100 Ω, Cat 6 |
| Baud rate | 100 Mbit/s |
| Transmission performance | Class D acc. to EN 50173-1 |
| Buscoupler connection | 2 x RJ-45 |
| Protocols | EtherCAT (direct mode) |
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