



X Attention: Product details may be subject to change

Item description

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

The address selection switch is used to set an Explicit Device ID (EDI), which allows a fixed address to be assigned to an EtherCAT® slave.

Data
Technical Data

Communication	EtherCAT
Baud rate	-

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

WAGO Corporation
Germantown, WI 53022
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222
Email: info.us@wago.com | Web: www.wago.us

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Transmission medium	Shielded Twisted Pair S/FTP, F/FTP or SF/FTP; 100 Ω; Cat. 6
Transmission performance	Class D per EN 50173
Number of modules per node (max.)	250
Input and output (internal) process image (max.)	1000 Worte/1000 Worte
Supply voltage (system)	SELV DC 24 V (-25 ... +30 %)
Supply voltage (field)	SELV DC 24 V (-25 ... +30 %)
Power supply efficiency (typ.) at nominal load (24 V)	95 %
Isolation (field/system)	min. 1000 VDC (1 min); per EN/UL 61010-2-201
Indicators	LED (DS, RN, ER) red/green/orange: Device status, EtherCAT® RUN, EtherCAT® error; LED (EC) red/blue/magenta: Error code; LED (PS) red/green/yellow: Power status; LED (S, F) green: System supply, field supply
Number of outgoing power jumper contacts	2
Current carrying capacity (power jumper contacts)	12 A
Current carrying capacity (power jumper contacts) note	requires external fusing of the field supply

Connection data

Connection technology: communication/fieldbus	EtherCAT: 2 x RJ-45
Connection technology: field supply	4 x Push-in CAGE CLAMP®
Connection technology: system supply	2 x Push-in CAGE CLAMP®
Connection technology: Device configuration	1 x Service interface USB-C
Connection type (1)	System/field supply
Solid conductor	0.25 ... 2.5 mm² / 22 ... 14 AWG
Fine-stranded conductor	0.25 ... 2.5 mm² / 22 ... 14 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inch
Note (conductor cross-section)	with insulated ferrule: 1.5 mm² (max.)

Physical data

Width	63 mm / 2.48 inch
Height	105 mm / 4.134 inch
Depth from upper edge of DIN-rail	75 mm / 2.953 inch

Mechanical data

Mounting type	DIN-35 rail
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Material Data

Weight	187.6 g
Conformity marking	CE

Environmental Requirements

Surrounding air temperature (operation)	-25 ... 60 °C (horizontal, typical control cabinet installation; -25 ... +50 °C, other mounting positions)
Surrounding air temperature (storage)	-40 ... 85 °C
Protection type	IP20
Pollution degree (5)	2
Operating altitude	Without temperature derating: 0 ... 2000 m; With temperature derating: 2000 ... 3000 m (0.5 K/100 m)
Mounting position	Horizontal, typical for control cabinets (nominal mounting position); horizontal (floor mounting position); standing (vertical bottom)
Relative humidity (without condensation)	95 %
EMC immunity to interference	per EN 61000-6-1, -2
EMC emission of interference	per EN 61000-6-3, -4

Commercial data

Packaging type	BOX
Country of origin	DE
GTIN	4055143975759
Customs tariff number	85176200000

Counterpart

Compatible products

Marking accessories



Item no.: 2009-141

Micro-WSB-Inline; 2000 pieces on roll; plain; snap-on type; white

www.wago.com/2009-141

Downloads

Documentation

System Description

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I/O-System Advanced General Product Information

pdf
302.3 kB

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Installation Notes

Product family

I/O System Advanced

[Show all products from the family](#)

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