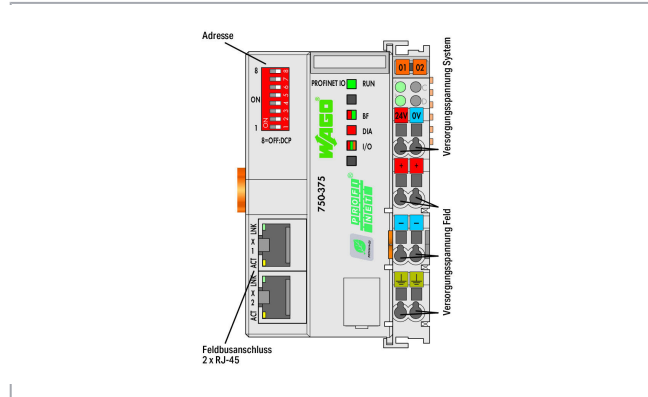
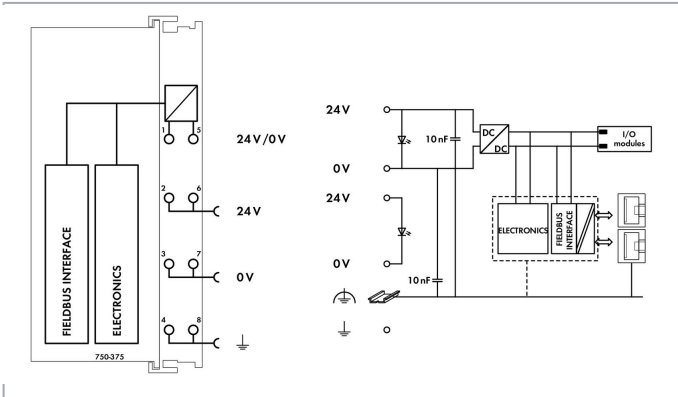
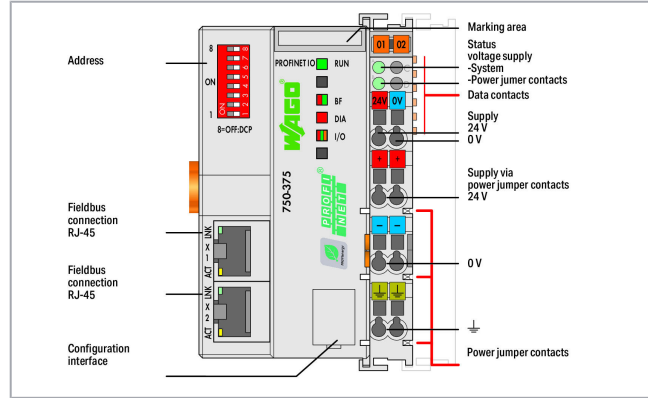
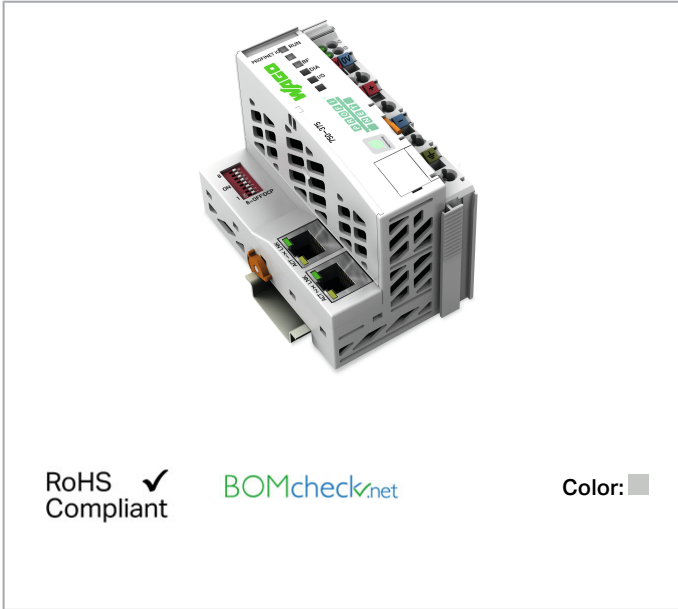


# Data sheet | Item number: 750-375

Fieldbus Coupler PROFINET IO; 3rd Generation; Advanced; light gray



[www.wago.com/750-375](http://www.wago.com/750-375)



## Item description

This fieldbus coupler connects the WAGO I/O System 750 to PROFINET IO (open, real-time Industrial ETHERNET automation standard).

The coupler identifies the connected I/O modules and creates local process images for maximum two I/O controllers and one I/O supervisor according to preset configurations. This process image may include a mixed arrangement of analog (word-by-word data transfer) or complex modules and digital (bit-by-bit data transfer) modules.

The fieldbus coupler operates as an I/O device in the network. It features an integrated 2-port switch, simplifying the creation of a line structure without additional network components.

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

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Do you have any questions about our products?  
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The device name can be assigned via DCP protocol or a default name can be instantiated via DIP switch.

## Data

### Technical data

Communication	PROFINET IO
ETHERNET protocols	LLDP SNMP HTTP
Device-specific	Supported profiles: PROFIsafe V2, PROFINergy V1.0; ID code: Vendor ID: 0x011D; Device ID: 0x02EE; Module ID: 0x01000177 (firmware version 01, 02), 0x02000177 (from firmware version 03)
Baud rate	10/100 Mbit/s (10 Mbit/s (ETHERNET protocols), 100 Mbit/s full duplex (PROFINET IO))
Bus segment length (max.)	100 m
Transmission medium	Twisted Pair S-UTP; 100 Ω; Cat. 5
Number of modules per node (max.)	250
Number of modules without a bus extension (max.)	64
Input and output (fieldbus) process image (max.)	512 Byte/512 Byte
Supply voltage (system)	DC 24 V (-25 ... +30 %); via pluggable connector (CAGE CLAMP® connection)
Power consumption (5 V system supply)	450 mA
Total current (system supply)	1,700 mA
Supply voltage (field)	DC 24 V (-25 ... +30 %); via power jumper contacts
Input current (typ.) at nominal load (24 V)	500 mA
Power supply efficiency (typ.) at nominal load (24 V)	90 %
Isolation	500 V system/field
Number of outgoing power jumper contacts	3
Current carrying capacity (power jumper contacts)	10 A

### Connection data

Connection technology: communication/fieldbus	PROFINET IO: 2 x RJ-45
Connection technology: field supply	6 x CAGE CLAMP®
Connection technology: system supply	2 x CAGE CLAMP®
Connection technology: device configuration	1 x Male connector; 4-pole
Connection type (1)	System/field supply
Solid conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG
Fine-stranded conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG

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



Strip length	8 ... 9 mm / 0.31 ... 0.35 inch
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### Physical data

Width	61.5 mm / 2.421 inch
Height	100 mm / 3.937 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	151.5 g
Conformity marking	CE

### 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	4g per IEC 60068-2-6
Shock resistance	15g per IEC 60068-2-27
EMC immunity to interference	per EN 61000-6-2, marine applications
EMC emission of interference	per EN 61000-6-3, marine applications
Exposure to pollutants	Per IEC 60068-2-42 and IEC 60068-2-43
Permissible H <sub>2</sub> S contaminant concentration at a relative humidity 75 %	10 ppm
Permissible SO <sub>2</sub> contaminant concentration at a relative humidity 75 %	25 ppm

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### Commercial data

Product Group	15 (Remote I/O)
Packaging type	BOX
Country of origin	DE
GTIN	4050821687436
Customs tariff number	85176200000

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