

# FLM BT DIO 8/8 M12-P2P-SET - Wireless set



2737614

<https://www.phoenixcontact.com/us/products/2737614>

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Fieldline Modular Wireless IO set, consisting of: Wireless IO base station for one Wireless IO terminal and Wireless IO device, 8 digital inputs, 8 digital outputs, M12



## Commercial data

Item number	2737614
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	DNC663
GTIN	4046356098250
Weight per piece (including packing)	690 g
Weight per piece (excluding packing)	644.34 g
Customs tariff number	85176200
Country of origin	DE

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## Technical data

### Product properties

Type	modular
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### System properties

#### Fieldbus data telegram

Required parameter data	4 Byte
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### Electrical properties

#### Supply: Module electronics

Connection method	M12 circular connector
Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 30 V DC (including ripple)
Supply current	< 100 mA

### Input data

#### Digital:

Input name	Digital inputs
Description of the input	IEC 61131-2 type 1
Number of inputs	8 (double-occupancy)
Connection method	M12 connector
Connection technology	2-, 3-conductor
Filter time	500 µs

### Output data

#### Digital:

Output name	Digital outputs
Connection method	M12 connector
Connection technology	2-, 3-conductor
Number of outputs	8 (double-occupancy)
Protective circuit	Short-circuit protection, overload protection, protected against reverse voltages
Maximum output current per channel	500 mA

### Interfaces

Connection method	M12 connector, D-coded
Designation connection point	Copper cable
Number of positions	4
Transmission speed	10/100 Mbps (auto negotiation)
Transmission physics	Copper
Address area assignment	1 word

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## Fieldbus: Local bus gateway

Designation	Local bus gateway
Connection method	M12 connector, B-coded
Transmission speed	500 kbaud/2 Mbaud, can be selected
Max. length of local bus	20 m
Max. number of local bus devices	16

## Antenna

Number	1
Connection method	SMA (male)

## Functions

Wireless licenses	Europe, additional countries in the e-shop
Country support	Australia (Special rule: Please contact the Product Manager)
	Belgium
	Bulgaria
	Denmark
	Germany
	Estonia
	Finland
	France
	Greece
	Great Britain
	Ireland
	Iceland
	Israel
	Italy
	Canada
	Latvia
	Liechtenstein
	Lithuania
	Luxembourg
	Malta
	Netherlands
	Norway
	Austria
Poland	
Portugal	
Romania	
Russia (Special rule: Please contact the Product Manager)	
Sweden	
Switzerland	
Singapore	
Slovakia	

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	Slovenia
	Spain
	Czech Republic
	Turkey
	Hungary
	USA
	Cyprus (rep.)

## Wireless

Designation	Bluetooth
Antenna connection method	SMA (female)
Frequency range	2.402 GHz ... 2.48 GHz (ISM bandwidth)
Wireless standard	Bluetooth 1.2
Transmission power	8 dBm (6.3 mW, controlled automatically)
Wireless modules that can be connected	1 (Permanently paired to base station)

## Dimensions

Width	70.5 mm
Height	178.5 mm
Depth	50 mm
Drill hole spacing	168 mm

## Mechanical properties

### Technical data

Drill hole spacing	168 mm
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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP65
Ambient temperature (operation)	-25 °C ... 60 °C
Air pressure (operation)	795 hPa ... 1080 hPa (up to 2000 m above sea level)
Permissible humidity (operation)	95 %

### Mechanical test

Shock in accordance with EN 60068-2-27/IEC 60068-2-27	25g
Vibration resistance in accordance with EN 60068-2-6/IEC 60068-2-6	5g

## Standards and regulations

Protection class	III (IEC 61140, EN 61140, VDE 0140-1)
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## Mounting

Mounting type	Panel mounting, optionally on mounting panel
	Panel mounting
Assembly note	OMNI antenna is included

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## Environmental product compliance

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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