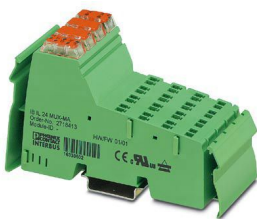


# IB IL 24 MUX MA - Inline terminal

2718413

<https://www.phoenixcontact.com/us/products/2718413>

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Inline field multiplexer, without accessories, transmission of very remote signals without configuration

## Product description

The field multiplexer is the central unit of a field multiplexer station. All the necessary Inline I/O terminals of a station are connected to it. The field multiplexer exchanges data with the remote station via a remote bus cable.

## Your advantages

- From hardware version 15, approved for use in potentially explosive areas of zone 2
- Diagnostic and status indicators
- Remote bus connections using copper technology

## Commercial data

Item number	2718413
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DR01
Product key	DRI11M
GTIN	4017918160029
Weight per piece (including packing)	193.2 g
Weight per piece (excluding packing)	166.21 g
Customs tariff number	85389091
Country of origin	DE

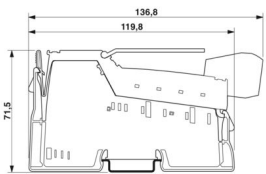
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## Technical data

### Dimensions

Dimensional drawing	
Width	48.8 mm
Height	119.8 mm
Depth	71.5 mm

### Material specifications

Color	green
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### Interfaces

#### Inline local bus

Connection method	Inline data jumper
Transmission speed	500 kbps

#### Remote bus

Connection method	Inline shield connector
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#### Supply voltage

Connection method	8-pos. Inline power connector
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### System properties

#### Programming data

Register length (master)	512 bit
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### Product properties

Product type	I/O component
Product family	Inline
Type	modular

### Electrical properties

Test section	RS-485 interface / supply voltage 500 V AC
	RS-485 interface / local bus 500 V AC
Protective circuit	Reverse polarity protection

#### Supply

Supply voltage	24 V DC
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Supply voltage range	19.2 V DC ... 30 V DC (including ripple)
Max. total permissible current consumption of all I/O terminal blocks	Communications power (7,5 V DC) $\leq$ 2 A
	Analog supply (24 V DC) $\leq$ 0.5 A
Residual ripple	$\pm$ 1.2 V
Typical current consumption	< 60 mA (without connected I/O terminal blocks (24 V DC supply))
	1.25 A (with max. number of connected I/O terminal blocks (24 V DC supply))
	8 A (If this value is exceeded, further power or segment terminals must be used!)

## Connection data

### Connection technology

Connection name	Inline connector
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### Inline connector

Connection method	Spring-cage connection
Conductor cross-section, rigid	0.08 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section, flexible	0.08 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section AWG	28 ... 16

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 55 °C
Permissible humidity (operation)	75 % ... 85 %
Air pressure (operation)	80 kPa ... 106 kPa (up to 2000 m above sea level)
Air pressure (storage/transport)	70 kPa ... 106 kPa (up to 3000 m above sea level)

## Mounting

Mounting type	DIN rail mounting
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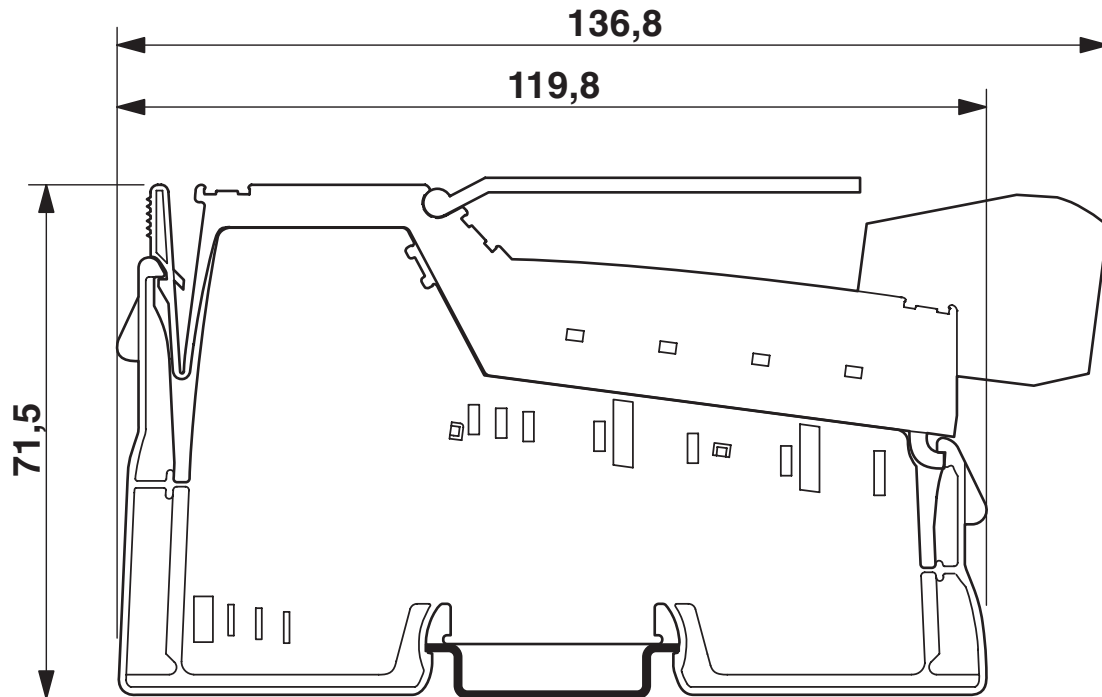
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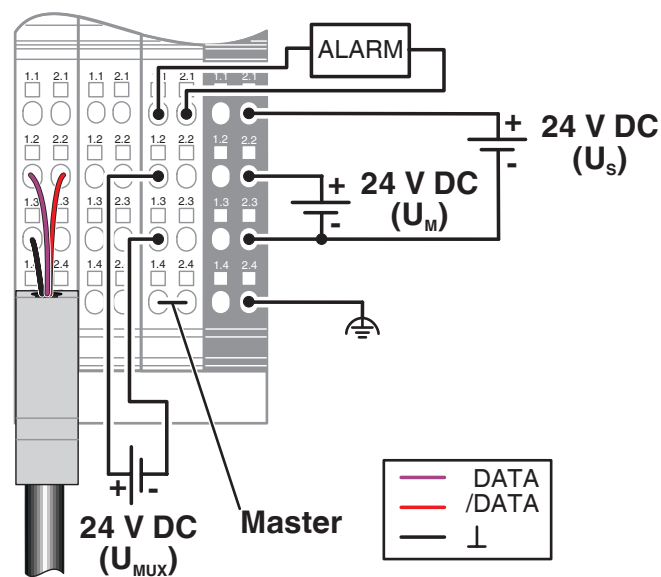
<https://www.phoenixcontact.com/us/products/2718413>

## Drawings

Dimensional drawing



Connection diagram



# IB IL 24 MUX MA - Inline terminal



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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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