

## Field multiplexer - IB IL 24 MUX MA-PAC - 2861205

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Inline field multiplexer, complete with accessories (plug and labeling field), transmission of very remote signals without configuration




### Why buy this product

- Up to 63 I/O terminals can be connected
- Up to 512 digital or 32 analog I/Os (or a mixture) can be connected



### Key commercial data

Packing unit	1 pc
GTIN	 4 017918 902506
Weight per Piece (excluding packing)	238.17 g
Custom tariff number	85389091
Country of origin	Germany

### Technical data

#### Note:

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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#### Dimensions

Width	48.8 mm
Height	135 mm
Depth	71.5 mm

#### Ambient conditions

Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	75 % ... 85 %
Permissible humidity (storage/transport)	75 % ... 85 %
Air pressure (operation)	80 kPa ... 106 kPa
Air pressure (storage/transport)	80 kPa ... 106 kPa

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## Technical data

### Ambient conditions

Degree of protection	IP20
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### General

Weight	212 g
Mounting type	DIN rail
Test section	RS-485 interface / supply voltage 500 V AC
	RS-485 interface / local bus 500 V AC

### Interfaces

Fieldbus system	RS-485
Name	Remote bus
Connection method	Inline shield connector
Transmission physics	RS-485
Fieldbus system	Lokalbus
Name	Inline local bus
Connection method	Inline data jumper
Transmission speed	500 kBit/s

### System limits of the bus coupler

Number of local bus devices that can be connected	32 (without additional power terminal block, observe allowable total current consumption)
Number of devices with parameter channel	0
Number of branch terminals with remote bus branch	0

### Power supply for module electronics

Connection method	8-pos. Inline power connector
Name	Supply
Supply voltage	24 V
Supply voltage range	19.2 V ... 30 V (including ripple)
Ripple	1.2 V <sub>PP</sub>
Current consumption	< 60 mA (without connected I/O terminal blocks (24 V DC supply))

### Inline potentials

Communications power U <sub>L</sub>	7.5 V DC ±5 %
Power supply at U <sub>L</sub>	2 A DC (observe derating)
Main circuit supply U <sub>M</sub>	24 V DC -15 % / +20 % (acc. to EN 61131-2)
Power supply at U <sub>M</sub>	max. 8 A DC (Sum of U <sub>M</sub> + U <sub>S</sub> )
Segment supply voltage U <sub>S</sub>	24 V DC -15 % / +20 % (acc. to EN 61131-2)
Power supply at U <sub>S</sub>	max. 8 A DC (Sum of U <sub>M</sub> + U <sub>S</sub> )
I/O supply voltage U <sub>ANA</sub>	24 V DC -15 % / +20 % (acc. to EN 61131-2)
Power supply at U <sub>ANA</sub>	0.5 A DC (observe derating)

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## Classifications

### eCl@ss

eCl@ss 4.0	27250201
eCl@ss 4.1	27250201
eCl@ss 5.0	27250203
eCl@ss 5.1	27242608
eCl@ss 6.0	27242608
eCl@ss 7.0	27242608
eCl@ss 8.0	27242608

### ETIM

ETIM 2.0	EC000768
ETIM 3.0	EC000768
ETIM 4.0	EC000768
ETIM 5.0	EC000768

### UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

## Approvals

### Approvals

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#### Approvals

UL Recognized / cUL Recognized / GOST / UL Recognized / cUL Recognized / GOST / cULus Recognized

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#### Ex Approvals

UL Listed / cUL Listed / UL Listed / cUL Listed / ATEX / ATEX / cULus Listed

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#### Approvals submitted

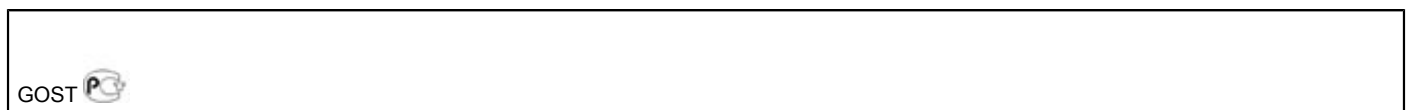
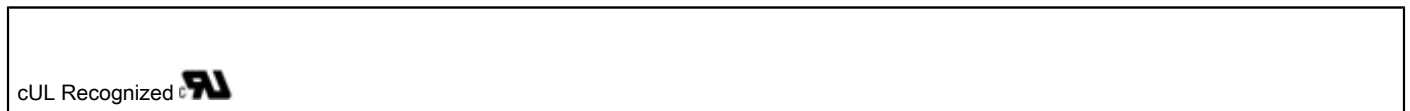
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### Approval details

UL Recognized 
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## Approvals



## Accessories

### Accessories

#### Adapter cable

Adapter cable - IB IL MUX-CAB PSI - 2878476



Adapter cable for the connection of the field multiplexer to the PSI-MOS interface module

#### Connector set

Connector set - IB IL MUX-PLSET - 2836036



Plug set, for Inline field multiplexers

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### Accessories

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#### Labeling panel

Labeling field - IB IL FIELD 8 - 2727515

Labeling field, width: 48.8 mm



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#### Terminal marking

Insert strip - ESL 62X46 - 0809502

Insert strip, Sheet, white, Unlabeled, Can be labeled with: Office printing systems, Plotter: Laser printer, Mounting type: Insert, Lettering field: 62 x 46 mm



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User manual - IB IL MUX UM - 2718426

User manual, German, for Inline field multiplexer



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User manual - IB IL MUX UM E - 2718439

User manual, English, for Inline field multiplexer

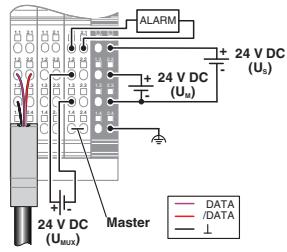


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### Drawings

# Field multiplexer - IB IL 24 MUX MA-PAC - 2861205

Connection diagram



Dimensioned drawing

