

## Inline function terminal - IB IL MBUS-PAC - 2701927

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Inline M-bus master terminal, for connecting M-bus devices, complete with accessories (connector plug and marking field)

### Why buy this product

- M-bus connection for up to 30 devices
- Transmission speed can be set from 300 baud to 19,200 baud
- Parameterization via process data
- Process data width: 16 words
- Diagnostic and status indicators



### Key commercial data

Packing unit	1 pc
GTIN	 4 046356 902106
Weight per Piece (excluding packing)	125.0 g
Custom tariff number	85389099
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	24.4 mm
Height	119.8 mm
Depth	71.5 mm

#### General

Color	green
Weight	125 g
Mounting type	DIN rail

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## Technical data

### General

Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	10 % ... 95 % (DIN EN 61131-2)
Permissible humidity (storage/transport)	10 % ... 95 % (DIN EN 61131-2)
Air pressure (operation)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Air pressure (storage/transport)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Degree of protection	IP20
Protection class	III, IEC 61140, EN 61140, VDE 0140-1

### Interfaces

Interface	Inline local bus
Connection method	Inline data jumper
Transmission speed	500 kBit/s
Interface	M-Bus
Connection method	Inline connector
Transmission speed	300 Baud ... 19200 Baud (configurable)
Transmission physics	Copper

### Power supply

Communications power $U_L$	7.5 V DC (via voltage jumper)
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### Inline potentials

Communications power $U_L$	7.5 V (via voltage jumper)
Current consumption from $U_L$	typ. 65 mA
	max. 90 mA
Main circuit supply $U_M$	24 V DC
Current consumption from $U_M$	typ. 56 mA (for 10 unit loads; see example calculation)
	max. 160 mA
Power consumption	typ. (at $U_L$ )
	typ. (at $U_M$ )

### Electrical isolation

Test section	M-Bus / 7.5 V supply (bus logic) 500 V AC 50 Hz 1 min
	M-Bus / 24 V supply $U_M$ 500 V AC 50 Hz 1 min
	M-bus/functional earth ground 500 V AC 50 Hz 1 min
	7.5 V supply (bus logics) / functional earth ground 500 V AC 50 Hz 1 min
	24 V supply ( $U_M$ )/functional earth ground 500 V AC 50 Hz 1 min

## Classifications

### eCl@ss

eCl@ss 4.1	27250304
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## Classifications

### eCl@ss

eCl@ss 5.1	27242608
eCl@ss 6.0	27242605

### ETIM

ETIM 3.0	EC001604
ETIM 4.0	EC001604
ETIM 5.0	EC001604

## Accessories

### Accessories

#### Labeling panel

Labeling field - IB IL FIELD 2 - 2727501

Labeling field, width: 12.2 mm



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### Plug

Inline connector - IB IL SCN-8 - 2726337



Connector, for digital 1, 2 or 8-channel Inline terminals

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### Terminal marking

Insert strip - ESL 62X10 - 0809492

Insert strip, Sheet, white, unlabeled, can be labeled with: Office printing systems, Plotter: Laser printer, Mounting type: Insert, Lettering field: 62 x 10 mm

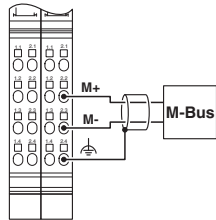


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## Drawings

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Connection diagram



Dimensioned drawing

