

## Inline terminal - IB IL 24 DI 4-2MBD-PAC - 2692306

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Inline digital input terminal block, complete with accessories (connector and labeling field), 4 inputs, 24 V DC, 3-wire connection method

### Product description

The digital Inline input terminals are designed for the connection of digital signals as are supplied from control switches, limit switches or proximity switches.

All the typical applications are covered by the standard automation terminals.

The I/O equipment is connected by a simple or an extended Inline plug, depending on the number of channels. The multi-wire connection method is available in both cases.


The Inline terminals can be labeled using hinged labeling fields. The fields have insert cards that can be labeled individually to suit the application. Additionally, there is the proven ZBFM-6... Zack strip for labeling the terminal points.

### Why buy this product

- 4 digital inputs
- Connection of sensors in 2 and 3-wire technology
- Maximum permissible load current per sensor: 250 mA
- Maximum permissible load current from the terminal: 1 A
- Diagnostic and status indicators



### Key commercial data

Packing unit	1 pc
GTIN	 4 046356 309912
Weight per Piece (excluding packing)	66.0 g
Custom tariff number	85389091
Country of origin	Germany

### Technical data

#### Dimensions

Width	12.2 mm
Height	140.5 mm
Depth	71.5 mm

#### Ambient conditions

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## Technical data

### Ambient conditions

Degree of protection	IP20
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### General

Weight	66 g
Note on weight specifications	with connector
Mounting type	DIN rail
Operating mode	Process data operation with 4 bits
Protection class	III, IEC 61140, EN 61140, VDE 0140-1

### Interfaces

Fieldbus system	Lokalbus
Designation	Inline local bus
Connection method	Inline data jumper
Transmission speed	2 MBit/s

### Power supply for module electronics

Communications power $U_L$	7.5 V (via voltage jumper)
Current consumption	max. 51 mA (from the local bus)
Power consumption	max. 0.4 W (at $U_L$ )

### Inline potentials

Communications power $U_L$	7.5 V DC
Current consumption from $U_L$	max. 40 mA
Main circuit supply $U_M$	24 V DC
Current consumption from $U_M$	max. 8 A DC
Segment supply voltage $U_S$	24 V DC (nominal value)
Current consumption from $U_S$	max. 1 A

### Digital inputs

Input name	Digital inputs
Connection method	Spring-cage connection
	2, 3-wire
Number of inputs	4 (EN 61131-2 type 1)

## Classifications

### eCl@ss

eCl@ss 4.0	27240404
eCl@ss 4.1	27240404
eCl@ss 5.0	27242204
eCl@ss 5.1	27242604
eCl@ss 6.0	27242604
eCl@ss 7.0	27242604

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## Classifications

### eCl@ss

eCl@ss 8.0	27242604
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### ETIM

ETIM 2.0	EC001430
ETIM 3.0	EC001599
ETIM 4.0	EC001599
ETIM 5.0	EC001599

### UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	39121311
UNSPSC 12.01	39121311
UNSPSC 13.2	39121311

## Approvals

### Approvals

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Approvals

UL Listed / cUL Listed / cULus Listed

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Ex Approvals

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Approvals submitted

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### Approval details

UL Listed
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cUL Listed
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cULus Listed
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## Inline terminal - IB IL 24 DI 4-2MBD-PAC - 2692306

### Accessories

#### Accessories

##### Labeled terminal marker

Zack marker strip - ZB 6,QR:FORTL.ZAHLEN - 1051029



Zack marker strip, Strip, white, labeled, can be labeled with: Plotter, Printed vertically: Consecutive numbers 1 - 10, 11 - 20, etc. up to 491 - 500, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

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##### Labeling panel

Labeling field - IB IL FIELD 2 - 2727501

Labeling field, width: 12.2 mm



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Labeling field - IB IL FIELD 8 - 2727515

Labeling field, width: 48.8 mm



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##### Marker pen

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

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Marker pen - X-PEN 0,35 - 0811228



Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm

## Inline terminal - IB IL 24 DI 4-2MBD-PAC - 2692306

### Accessories

#### Plug

Inline connector - IB IL SCN-8 - 2726337



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

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Inline connector - IB IL SCN-8-CP - 2727608



Inline connector, colored

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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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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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Zack marker strip - ZB 6:UNBEDRUCKT - 1051003



Zack marker strip, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

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## Accessories

Zack marker strip - ZB 6/WH-100:UNBEDRUCKT - 5060935



Zack marker strip, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

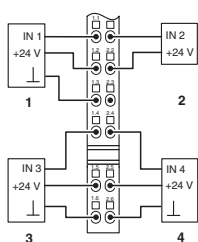
Flat zack marker sheet - ZBFM 6/WH:UNBEDRUCKT - 0803618



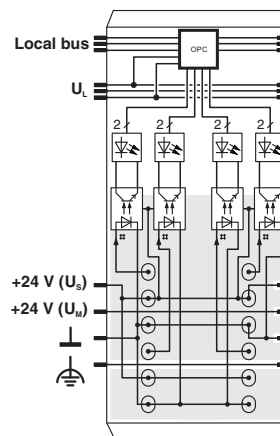
Flat zack marker sheet, Sheet, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into flat marker groove, for terminal block width: 6.2 mm, Lettering field: 5 x 5.5 mm

## Drawings

Connection diagram



Block diagram



Dimensioned drawing

