

## Inline function terminal - IB IL IMPULSE-IN-PAC - 2861768

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Inline measurement terminal block for position encoder, complete with accessories (connector and labeling field), 1 input for inductive length measuring scales with the impulse interface (P interface)




### Why buy this product

- Ultrasonic encoder speed of 2500 m/s to 2999.99 m/s
- Position resolution of 5 µm
- Evaluation of the position of a magnet
- 1 magnetostrictive encoder can be connected
- Length measuring range of up to 3.85 m
- 24 V encoder supply including monitoring
- Shielded connection



### Key commercial data

Packing unit	1 pc
GTIN	 4 017918 934095
Weight per Piece (excluding packing)	71.0 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	12.2 mm
Height	135 mm
Depth	71.5 mm

#### Interfaces

Interface	Inline local bus
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## Technical data

### Interfaces

Connection method	Inline data jumper
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### Power supply

Encoder supply voltage	24 V
Encoder supply current	max. 250 mA
Drawing encoder supply voltage	Main circuit $U_M$

### Inputs

Type of connection of signals	INIT, /INIT, START-STOP, /START-STOP
Common mode voltage range signal - ground	-10 V ... 13.2 V
Length measuring range	> 0 mm ... 3850 mm (Resolution: 5 $\mu$ m)
Ultra-sound speed (gradient)	2500.00 m/s ... 2999.99 m/s (Firmware 1.22 and higher)
	2750.00 m/s ... 2898.00 m/s (Firmware 1.21 and higher)

### General

Weight	71 g
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### Inline potentials

Communications power $U_L$	7.5 V
Current consumption from $U_L$	max. 70 mA
Main circuit supply $U_M$	typ. 24 V DC
Current consumption from $U_M$	max. 250 mA (Short-circuit and overload protection)

## Classifications

### eCl@ss

eCl@ss 4.0	27250302
eCl@ss 4.1	27250304
eCl@ss 5.0	27250304
eCl@ss 5.1	27242605
eCl@ss 6.0	27242605
eCl@ss 7.0	27242605

### ETIM

ETIM 2.0	EC001433
ETIM 3.0	EC001601
ETIM 4.0	EC001601
ETIM 5.0	EC001601

### UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015

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## Classifications

### UNSPSC

UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

## Accessories

### Accessories

#### Labeling panel

Labeling field - IB IL FIELD 2 - 2727501

Labeling field, width: 12.2 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

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### Plug

Inline shield connector - IB IL SCN-6 SHIELD - 2726353



Inline shield connector

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### Terminal marking

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## Accessories

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



Zack Marker strip, flat - ZBF 6:UNBEDRUCKT - 0808710

Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into flat marker groove, for terminal block width: 6.2 mm, Lettering field: 5.15 x 6.15 mm



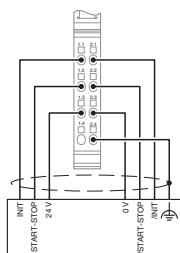
Flat zack marker sheet - ZBFM 6/WH:UNBEDRUCKT - 0803618

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



Dimensioned drawing

