

Inline function terminal - IB IL INC-IN-2MBD-PAC - 2819765

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Inline measurement terminal for position encoder, complete with accessories, 1 input for incremental encoder with rectangular signal (symmetrical or asymmetrical), 3 digital inputs 24 V DC, 3-conductor connection method, transmission speed 2 Mbaud

Why buy this product

- Open circuit detection
- 5 V and 24 V sensor/encoder supply
- 3 digital inputs to connect two limit switches and one home position switch
- 25-bit actual position value
- Single, double or quadruple evaluation
- Symmetrical and asymmetrical incremental encoders with or without Z trace can be connected
- Maximum input frequency of 300 kHz
- Direction of rotation indicator via LED
- 5 homing functions



Key commercial data

Packing unit	1 pc
GTIN	 4 046356 082273
Weight per Piece (excluding packing)	143.0 g
Custom tariff number	85389091
Country of origin	Germany

Technical data

Dimensions

Width	24.4 mm
Height	140.5 mm
Depth	71.5 mm

Interfaces

Interface	Inline local bus
Connection method	Inline data jumper

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Technical data

Power supply

Encoder supply voltage	5 V DC
	24 V DC
Encoder supply current	max. 250 mA
Drawing encoder supply voltage	Main circuit U_M

Incremental encoder input

Number of inputs	1
Input frequency (24 V)	0 Hz ... 300 kHz
Input frequency (5 V)	0 kHz ... 300 kHz
Encoder signals	Symmetrical and asymmetrical encoders

Inputs

Number of inputs	3
Connection method	3-conductor

General

Weight	143 g
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Inline potentials

Communications power U_L	7.5 V (via voltage jumper)
Current consumption from U_L	max. 80 mA
Current consumption from U_M	max. 1 A
	typ. 340 mA

Classifications

eCl@ss

eCl@ss 4.0	27250304
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

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Classifications

UNSPSC

UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

Approvals

Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approvals submitted

Approval details

UL Listed

cUL Listed

cULus Listed

Accessories

Accessories

Labeling panel

Labeling field - IB IL FIELD 2 - 2727501

Labeling field, width: 12.2 mm



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Accessories

Plug

Inline connector - IB IL SCN-12-ICP - 2727611



Connector, color coded, for digital 4, or 16-channel Inline input terminals

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



Inline shield connector

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

Drawings

Dimensioned drawing

