

Inline function terminal - IB IL INC-IN-PAC - 2861755

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Inline measurement terminal for position encoder, complete with accessories (connector and labeling field), 1 input for incremental encoder with rectangular signal (symmetrical or asymmetrical), 3 digital inputs 24 V DC, 3-conductor connection system

Product Features

- 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 |
| Weight per Piece (excluding packing) | 193.2 GRM |
| 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 |
|-----------|------------------|

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Technical data

Interfaces

| | |
|-------------------|--------------------|
| Connection method | Inline data jumper |
|-------------------|--------------------|

Power supply

| | |
|--------------------------------|------------------------------|
| Typical current consumption | 70 mA |
| I/O voltage | 24 V AC (via voltage jumper) |
| Encoder supply voltage | 5 V DC |
| | 24 V DC |
| Encoder supply current | max. 250 mA |
| Drawing encoder supply voltage | Main circuit U_M |

Electrical isolation

| | |
|--------------|---|
| Test section | 7.5 V supply (bus logics), I/O 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 (I/O) / functional earth ground 500 V AC 50 Hz 1 min |

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 |
|--------|-------|

Inline potentials

| | |
|--------------------------------|----------------------------|
| Communications power U_L | 7.5 V (via voltage jumper) |
| Current consumption from U_L | max. 70 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 |

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Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 5.1 | 27242605 |
| eCl@ss 6.0 | 27242605 |
| eCl@ss 7.0 | 27242605 |
| eCl@ss 8.0 | 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 |
| UNSPSC 12.01 | 43201404 |
| UNSPSC 13.2 | 43201404 |

Approvals

Approvals

Approvals

UL Listed / GOST / cUL Listed / cULus Listed

Ex Approvals

UL Listed / cUL Listed / cULus Listed

Approvals submitted

Approval details

| |
|---|
| UL Listed  |
|---|

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Approvals

GOST 

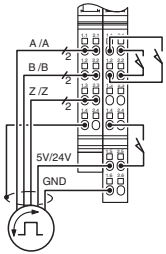
cUL Listed 

cULus Listed 

Drawings

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Connection diagram



Block diagram

