

# Inline function terminal - IB IL SSI-PAC - 2861865

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Inline measurement terminal block for positioning control and absolute position encoders, complete with accessories, 1 absolute encoder input, 4 digital inputs 24 V DC, 4 digital outputs 24 V DC, 500 mA, 3-wire connection method

## Product Features

- Startup using hand-held operator panel mode
- 5 V and 24 V encoder supply including monitoring
- 24 V sensor supply including monitoring
- Integrated monitoring functions
- Software limit switch
- Adjustable encoder offset
- Encoder resolution up to 26 bits
- Gear ratio can be parameterized
- Position detection using absolute encoders with SSI interface
- 4 digital outputs
- 3 digital inputs

## Key commercial data

<b>package_quantity</b>	1
<b>GTIN</b>	4017918894566

## Technical data

Note:

<b>Utilization restriction</b>	EMC: class A product, see manufacturer's declaration in the download area
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### Dimensions

<b>Width</b>	48.8 mm
<b>Height</b>	140.5 mm
<b>Depth</b>	71.5 mm

### Interfaces

<b>Interface</b>	Inline local bus
<b>Connection method</b>	Inline data jumper

### Power supply

<b>I/O voltage</b>	24 V DC (via voltage jumper)
<b>I/O voltage range</b>	19.2 V DC ... 30 V DC

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## Technical data

### Power supply

Encoder supply voltage	5 V DC
Encoder supply voltage	24 V DC
Encoder supply current	500 mA
Encoder supply current	500 mA
Drawing encoder supply voltage	Main circuit $U_M$

### Electrical isolation

Test section	5 V supply, incoming remote bus/7.5 V supply (bus logics) 500 V AC 50 Hz 1 min
Test section	5 V supply, outgoing remote bus/7.5 V supply (bus logics) 500 V AC 50 Hz 1 min
Test section	7.5 V supply (bus logics)/24 V supply (I/O) 500 V AC 50 Hz 1 min
Test section	7.5 V supply (bus logics) / functional earth ground of encoder supply 500 V AC 50 Hz 1 min
Test section	24 V supply (I/O) / functional earth ground 500 V AC 50 Hz 1 min
Test section	24 V supply (I/O) / functional earth ground of encoder supply 500 V AC 50 Hz 1 min
Test section	Functional earth ground of encoder supply / Functional earth ground 500 V AC 50 Hz 1 min

### Absolute encoder input

Number of inputs	1
Adjustable resolution	26 Bit (maximum)
Transmission frequency	400 kHz

### Inputs

Number of inputs	3
Connection method	3-conductor
Input voltage	24 V DC

### Outputs

Number of outputs	4
Connection method	3-conductor (shielded)

### General

Weight	210 g
Number of connectors	1

### Inline potentials

Communications power $U_L$	7.5 V (via voltage jumper)
Current consumption from $U_L$	max. 60 mA
Main circuit supply $U_M$	24 V DC (via voltage jumper)
Current consumption from $U_M$	max. 1 A
Current consumption from $U_M$	typ. 1 A
Segment supply voltage $U_S$	24 V DC (via voltage jumper)
Current consumption from $U_S$	max. 2 A

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## Technical data

### Inline potentials

Current consumption from U <sub>s</sub>	typ. 2 A
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## 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
eCl@ss 8.0	27242605

### ETIM

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

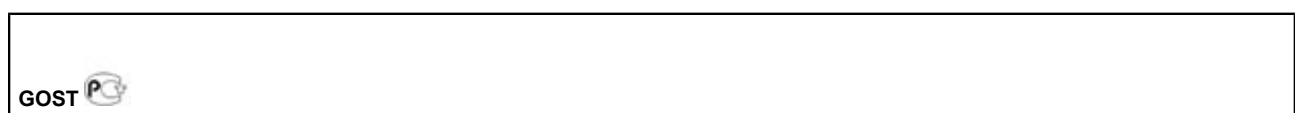
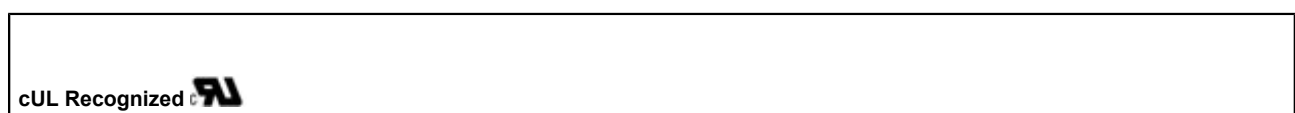
### UNSPSC

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

## approvals

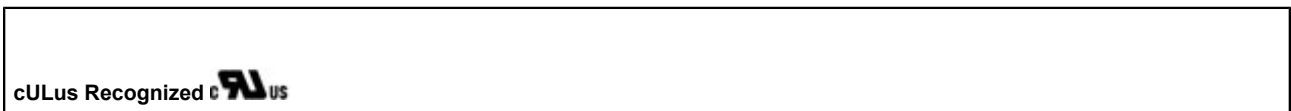
UL Recognized / cUL Recognized / GOST / UL Recognized / cUL Recognized / GOST / cULus Recognized /

### Approval details



# Inline function terminal - IB IL SSI-PAC - 2861865

approvals



accessories

**Terminal marking**

ESL 62X10 - 0809492



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accessories

IB IL SSI UM - 2698452



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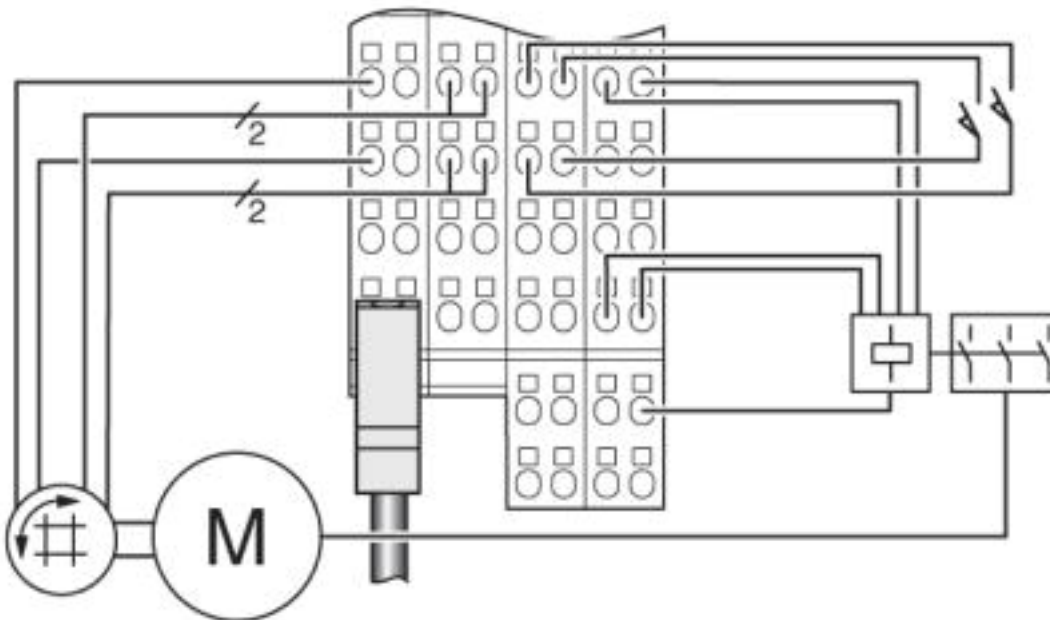
IB IL SSI UM E - 2698465



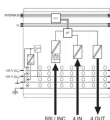
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## Drawings

### Connection diagram

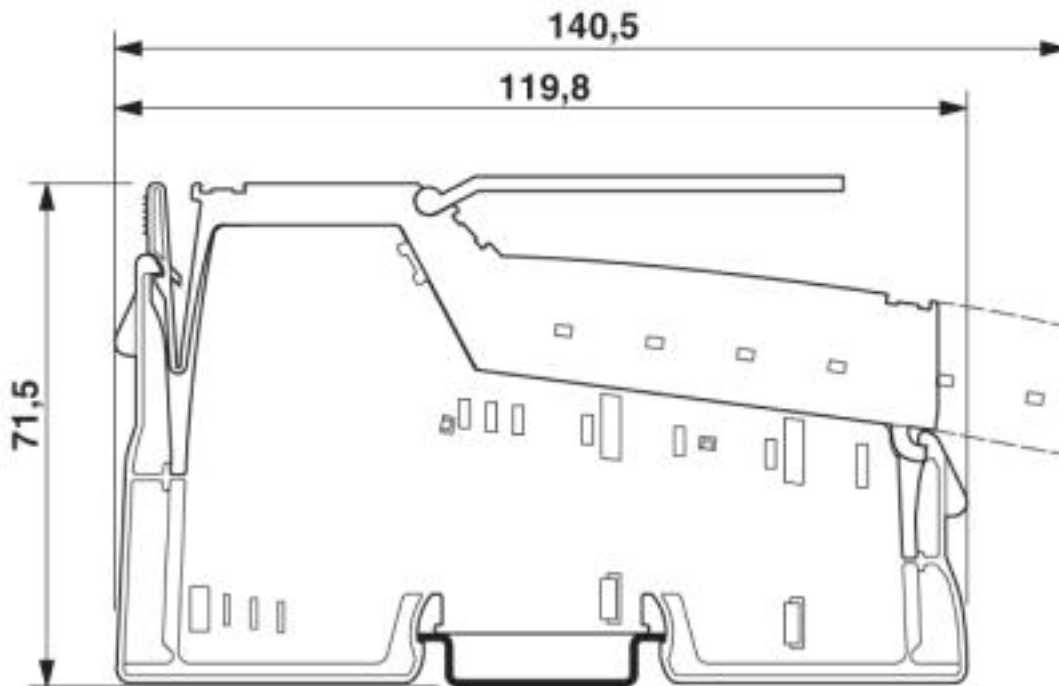


### Block diagram



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Dimensioned drawing



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