

## 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

### Your advantages

- 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

Packing unit	1 pc
GTIN	 4 017918 894566
GTIN	4017918894566
Weight per Piece (excluding packing)	249.000 g
Custom tariff number	85389091
Country of origin	Germany

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### Technical data

#### Note

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

Width	48.8 mm
Height	140.5 mm
Depth	71.5 mm

#### Interfaces

Interface	Inline local bus
Connection method	Inline data jumper

#### Power supply

I/O voltage	24 V DC
I/O voltage range	19.2 V DC ... 30 V DC
Encoder supply voltage	5 V DC
	24 V DC
Encoder supply current	500 mA
	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.
	5 V supply, outgoing remote bus/7.5 V supply (bus logics) 500 V AC 50 Hz 1 min.
	7.5 V supply (bus logics)/24 V supply (I/O) 500 V AC 50 Hz 1 min.
	7.5 V supply (bus logics) / functional earth ground of encoder supply 500 V AC 50 Hz 1 min.
	24 V supply (I/O) / functional earth ground 500 V AC 50 Hz 1 min.
	24 V supply (I/O) / functional earth ground of encoder supply 500 V AC 50 Hz 1 min.
	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
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### Technical data

#### Inputs

Connection technology	3-wire
Input voltage	24 V DC

#### Outputs

Number of outputs	4
Connection technology	3-conductor (shielded)
Output voltage	24 V DC

#### General

Weight	210 g
Number of plugs	1

#### Inline potentials

Designation	Communications power ( $U_L$ )
Supply voltage	7.5 V DC (via voltage jumper)
Current consumption	max. 60 mA
Designation	Main circuit supply ( $U_M$ )
Supply voltage	24 V DC (via voltage jumper)
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Current consumption	max. 1 A
Designation	Segment circuit supply ( $U_S$ )
Supply voltage	24 V DC (via voltage jumper)
Current consumption	max. 2 A

#### Standards and Regulations

Connection in acc. with standard	CUL
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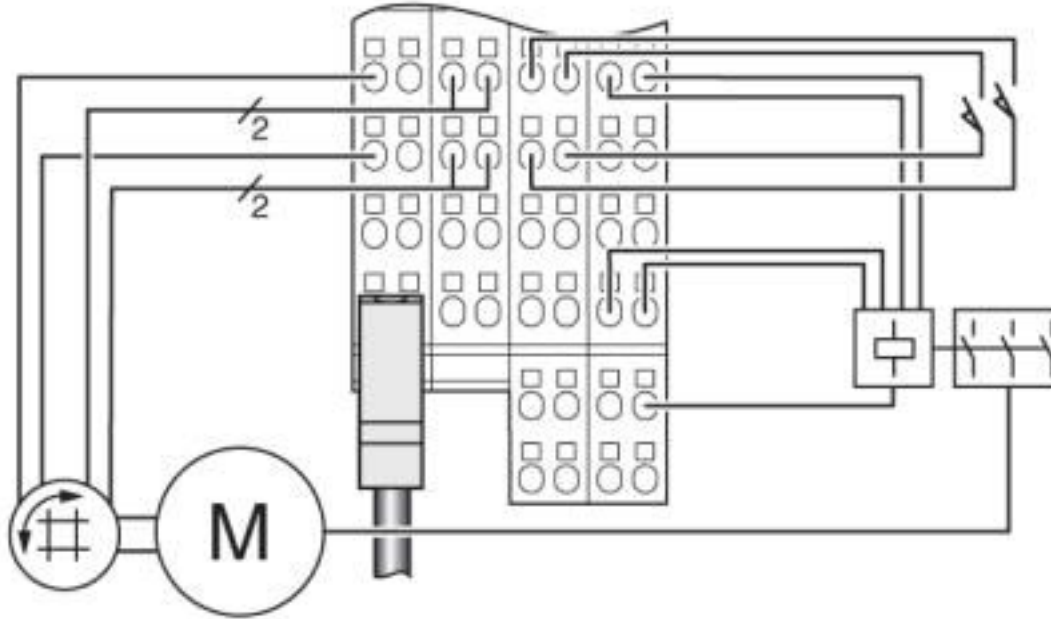
#### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

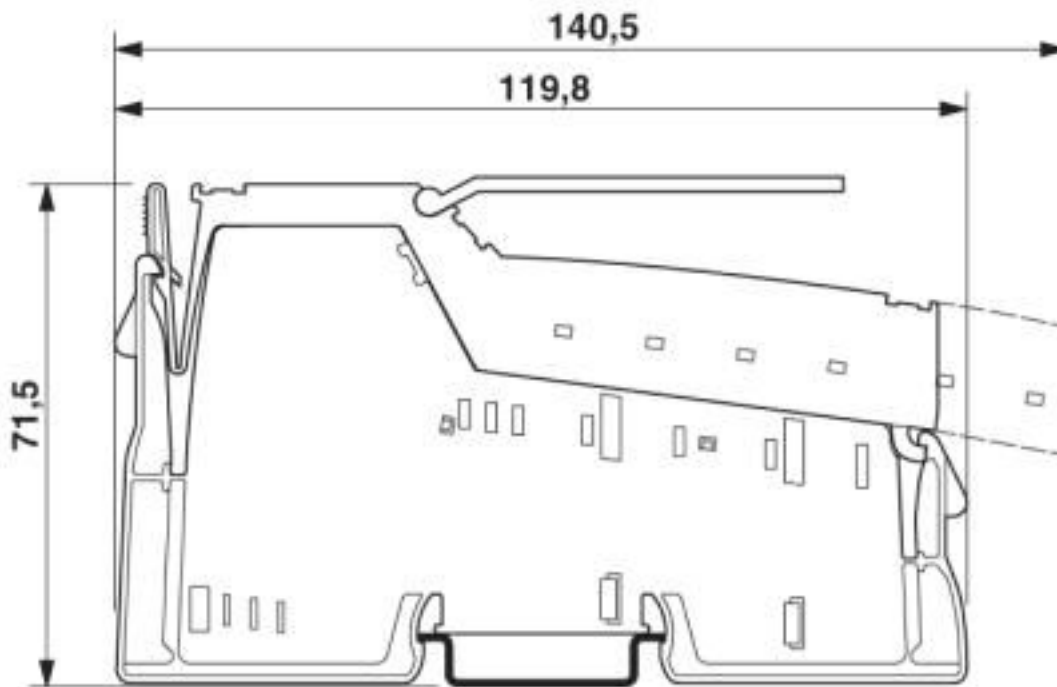
#### Drawings

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

Connection diagram



Dimensional drawing



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## Classifications

### eCl@ss

eCl@ss 10.0.1	27242605
eCl@ss 4.0	27250300
eCl@ss 4.1	27250300
eCl@ss 5.0	27250300
eCl@ss 5.1	27242600
eCl@ss 6.0	27242600
eCl@ss 7.0	27242605
eCl@ss 8.0	27242605
eCl@ss 9.0	27242605

### ETIM

ETIM 2.0	EC001433
ETIM 3.0	EC001601
ETIM 4.0	EC001601
ETIM 5.0	EC001601
ETIM 6.0	EC001601
ETIM 7.0	EC001601

### UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	32151602
UNSPSC 18.0	32151602
UNSPSC 19.0	32151602
UNSPSC 20.0	32151602
UNSPSC 21.0	32151602

## Approvals

### Approvals

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Approvals

UL Recognized / EAC

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Ex Approvals


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### Approvals

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#### Approval details

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 140324
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EAC			EAC-Zulassung
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### Accessories

#### Accessories

#### Terminal marking

Insert strip - ESL 62X10 - 0809492



Insert strip, Sheet, white, unlabeled, can be labeled with: Office printing systems: Laser printer, mounting type: insert, lettering field size: 62 x 10 mm, Number of individual labels: 72

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User manual - IB IL SSI UM - 2698452



User Manual, German, for Inline positioning terminals

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User manual - IB IL SSI UM E - 2698465



User Manual, English, for Inline positioning terminals

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