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

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	4 017918 894566
GTIN	4017918894566

Technical data

Note

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

Dimensions

Width	48.8 mm
Height	140.5 mm
Depth	71.5 mm

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Technical data

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 logic)/functional ground of the encoder supply 500 V AC 50 Hz 1 min.
	24 V supply (I/O)/functional ground 500 V AC 50 Hz 1 min.
	24 V supply (I/O)/functional ground of the encoder supply 500 V AC 50 Hz 1 min.
	Functional ground of the encoder supply/functional 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 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

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Technical data

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

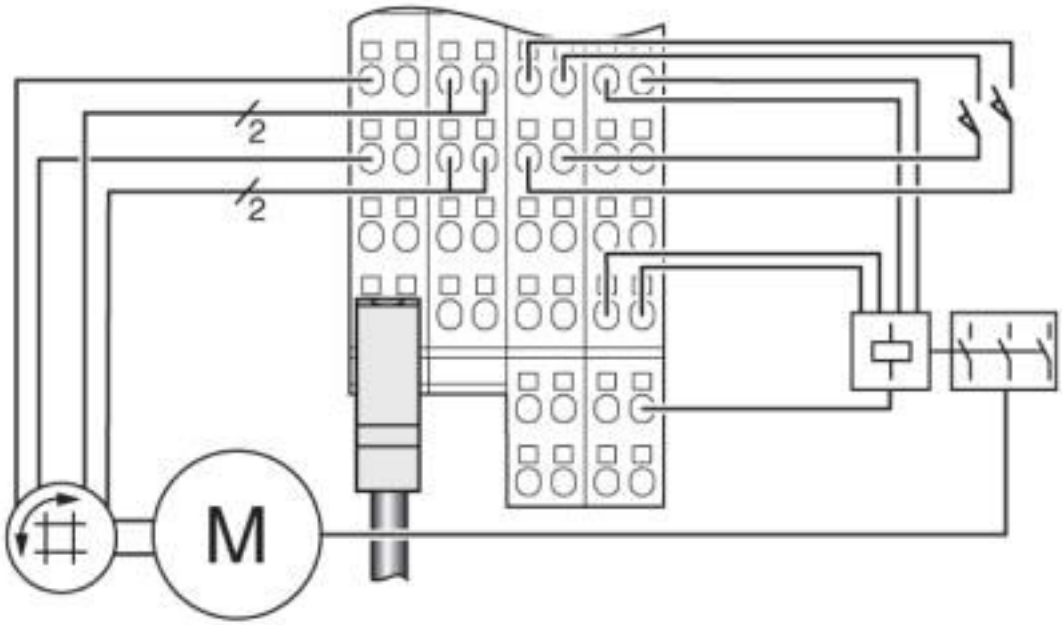
Connection in acc. with standard	CUL

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

Connection diagram



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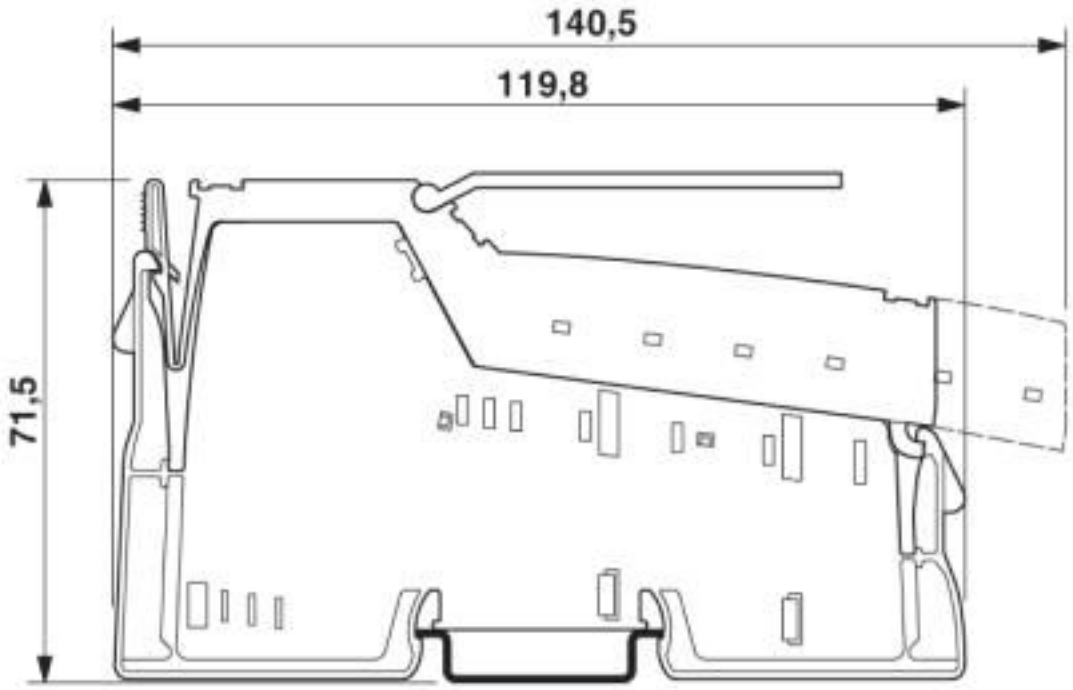
Dimensional drawing



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

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Classifications

UNSPSC

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

Approvals

UL Recognized / EAC

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324

EAC		EAC-Zulassung

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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Accessories

User manual - IB IL SSI UM - 2698452

User Manual, German, for Inline positioning terminals

User manual - IB IL SSI UM E - 2698465

User Manual, English, for Inline positioning terminals

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