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

Why buy this product

- 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 STK
GTIN	4 017918 894566

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

Interfaces

Interface	Inline local bus
Connection method	Inline data jumper

Inline function terminal - IB IL SSI-PAC - 2861865

Technical data

Power supply

I/O voltage	24 V DC (via voltage jumper)
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
Connection method	3-conductor
Input voltage	24 V DC

Outputs

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

General

Weight	210 g
Number of plugs	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

Inline function terminal - IB IL SSI-PAC - 2861865

Technical data

Inline potentials

	typ. 1 A
Segment circuit supply U_S	24 V DC (via voltage jumper)
Current consumption from U_S	max. 2 A
	typ. 2 A

Standards and Regulations

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.
Connection in acc. with standard	CUL

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

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Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized

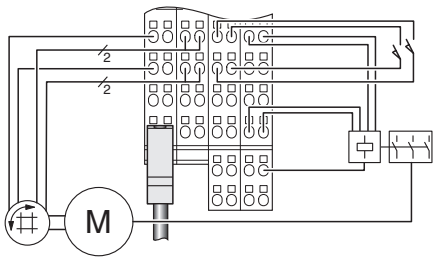
cUL Recognized

EAC

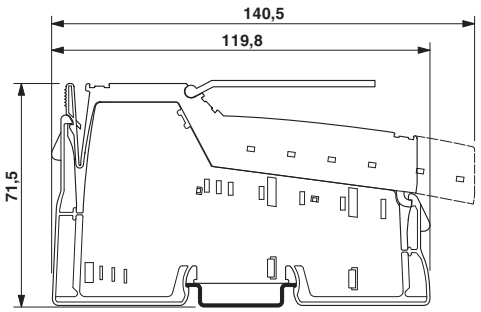
cULus Recognized

Drawings

Connection diagram



Dimensional drawing



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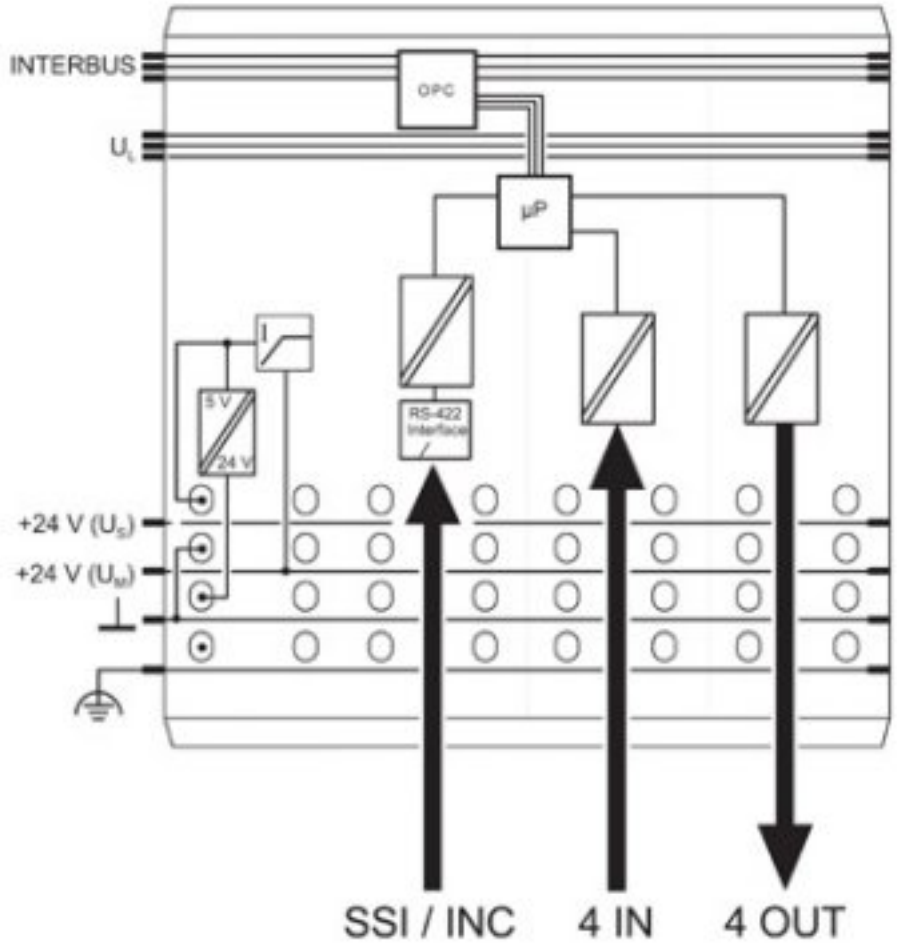
Block diagram



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