

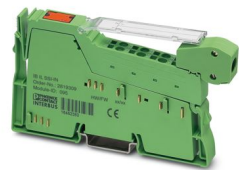
IB IL SSI-IN-PAC - Function module



2819574

<https://www.phoenixcontact.com/pc/products/2819574>

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Inline measurement terminal block for absolute encoders, complete with accessories (connector and labeling field), 1 input for absolute rotation or position measurement systems, with SSI interface

Your advantages

- 1 single or multiturn encoder with up to 25 bit resolution can be connected
- Transmission frequency up to 1 MHz
- Shielded connection
- 5 V encoder supply including monitoring
- Parity monitoring
- Rotation can be reversed
- Gray or binary code

Commercial data

Item number	2819574
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DRI161
Catalog page	Page 157 (C-6-2019)
GTIN	4017918941154
Weight per piece (including packing)	94.2 g
Weight per piece (excluding packing)	71 g
Customs tariff number	85389091
Country of origin	DE

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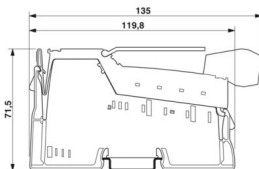
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Technical data

Dimensions

Dimensional drawing	
Width	12.2 mm
Height	135 mm
Depth	71.5 mm

Notes

Utilization restriction

CCCex note	Use in potentially explosive areas is not permitted in China.
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Interfaces

Inline local bus

Connection method	Inline data jumper
Transmission speed	500 kbps
Transmission physics	Copper

System properties

Module

ID code (dec.)	95
ID code (hex)	5F
Length code (hex)	02
Length code (dec)	02
Process data channel	32 bit
Input address area	4 Byte
Output address area	4 Byte
Register length	4 Byte
Required parameter data	6 Byte
Required configuration data	5 Byte

Input data

Absolute encoder

Number of inputs	1
Adjustable resolution	25 bit (maximum)
	100 kHz

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Transmission frequency	200 kHz
	400 kHz
	800 kHz
	1 MHz

Digital

Connection technology	Spring-cage connection
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Output data

Digital

Number of outputs	1
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Product properties

Type	modular
Product type	I/O component
Product family	Inline

Electrical properties

Supply

Drawing encoder supply voltage	Main circuit U_M
Encoder supply voltage	5 V DC
Encoder supply current	max. 250 mA
I/O voltage	24 V AC
Max. current consumption	35 mA (typical)

Potentials: Communications power (U_L)

Supply voltage	7.5 V DC (via voltage jumper)
Current draw	max. 28 mA

Potentials: 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 draw	max. 66 mA

Connection data

Connection technology

Connection name	Inline connector
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Conductor connection

Connection method	Spring-cage connection
Conductor cross section rigid	0.08 mm ² ... 1.5 mm ²
Conductor cross section flexible	0.08 mm ² ... 1.5 mm ²
Conductor cross section AWG	28 ... 16
Stripping length	8 mm

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Inline connector

Connection method	Spring-cage connection
Conductor cross section, rigid	0.08 mm ² ... 1.5 mm ²
Conductor cross section, flexible	0.08 mm ² ... 1.5 mm ²
Conductor cross section AWG	28 ... 16
Stripping length	8 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	75 % ... 85 %
Permissible humidity (storage/transport)	75 % ... 85 %

Mounting

Mounting type	DIN rail mounting
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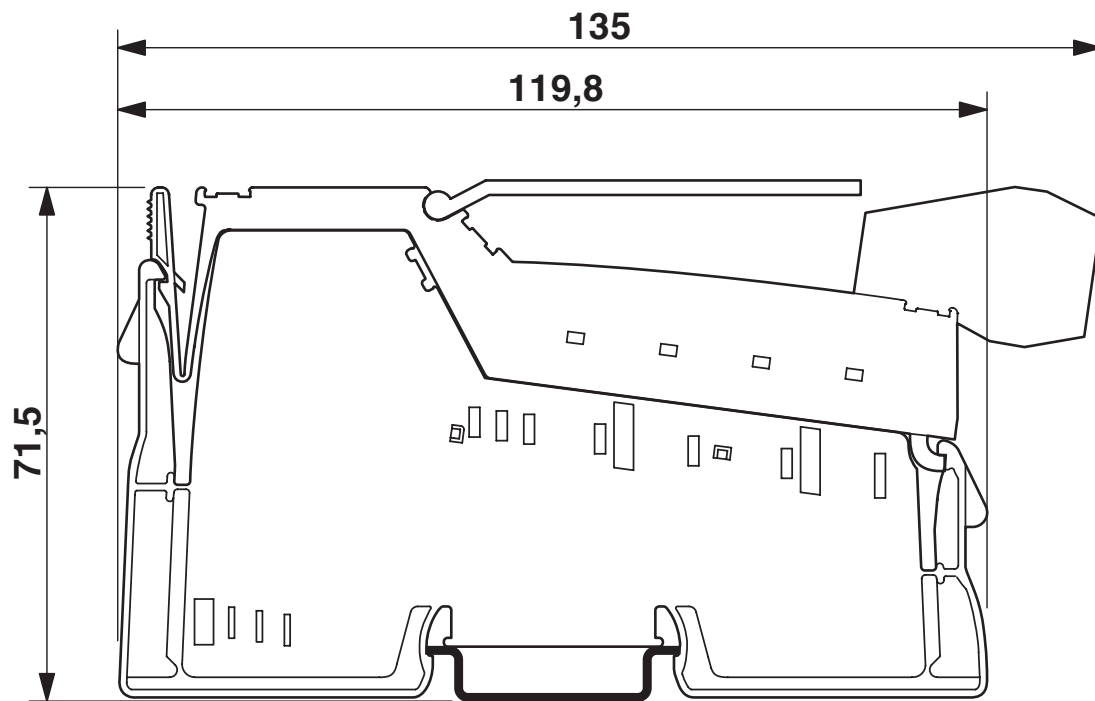
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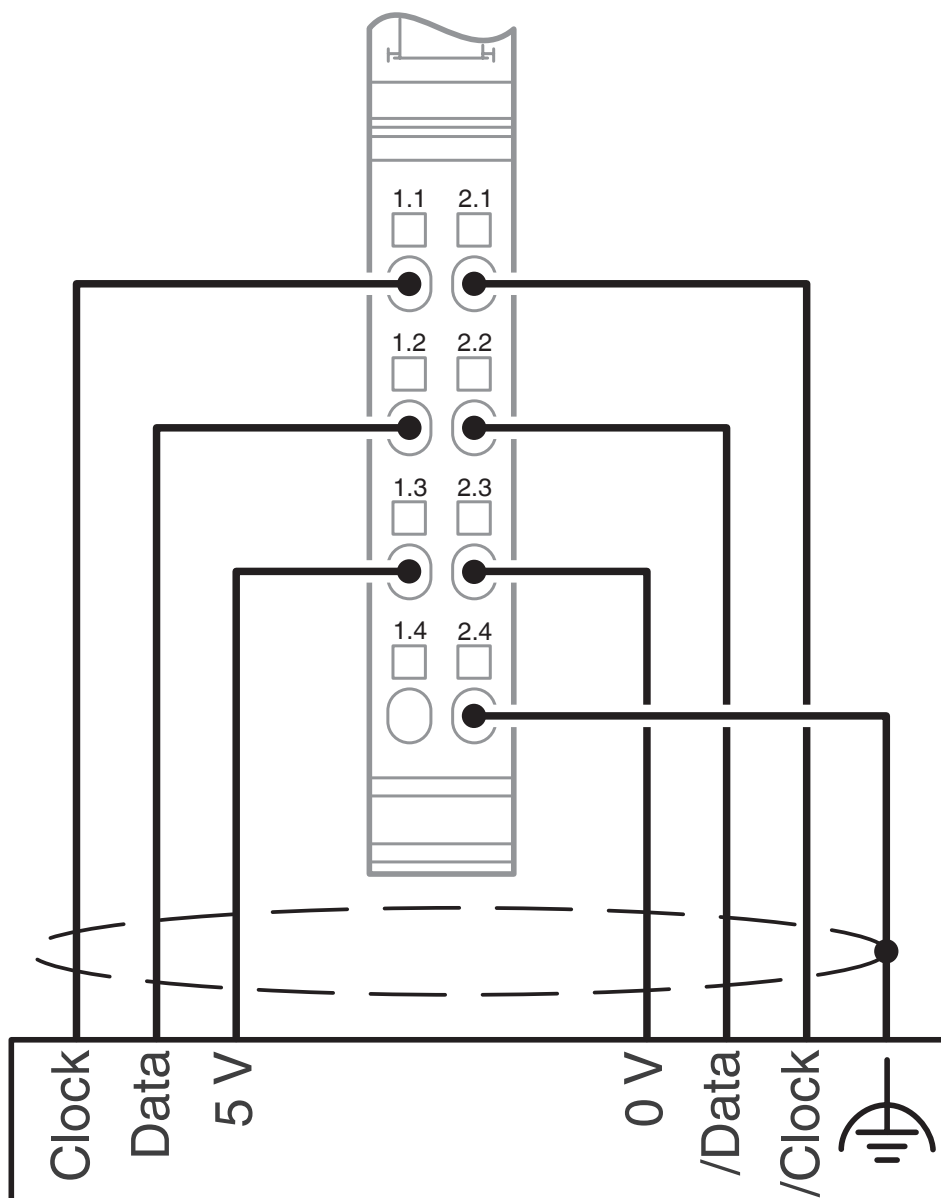
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Drawings

Dimensional drawing



Connection diagram



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Approvals

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EAC

Approval ID: TR_TS_D_01831-19



cUL Listed

Approval ID: FILE E 199827



UL Listed

Approval ID: FILE E 199827

cULus Listed

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Classifications

ECLASS

ECLASS-11.0	27242605
ECLASS-12.0	27242605
ECLASS-13.0	27242605

ETIM

ETIM 9.0	EC001601
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UNSPSC

UNSPSC 21.0	32151600
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Environmental product compliance

REACH SVHC	Lead 7439-92-1
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