

IB IL IMPULSE-IN-PAC - Function module



2861768

<https://www.phoenixcontact.com/us/products/2861768>

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Inline measurement terminal block for position encoder, complete with accessories (connector and labeling field), 1 input for inductive length measuring scales with the impulse interface (P interface)

Your advantages

- Ultrasonic speed of the encoder of 2,500 m/s ... 2,999.99 m/s
- Position resolution of 5 µm
- Evaluation of the position of a magnet
- 1 magnetostrictive encoder can be connected
- Measuring range length of up to 3.85 m
- 24 V encoder supply incl. monitoring
- Shielded connection

Commercial data

Item number	2861768
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DR01
Product key	DRI161
Catalog page	Page 157 (C-6-2019)
GTIN	4017918934095
Weight per piece (including packing)	89.8 g
Weight per piece (excluding packing)	71 g
Customs tariff number	85389091
Country of origin	DE

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Technical data

Dimensions

Dimensional drawing	
Width	12.2 mm
Height	135 mm
Depth	71.5 mm

Interfaces

Inline local bus	
Connection method	Inline data jumper
Transmission speed	500 kbps

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	32 bit
Required parameter data	6 Byte
Required configuration data	5 Byte

Product properties

Type	modular
Product type	I/O component
Product family	Inline

Electrical properties

Encoder	
Current carrying capacity	max. 250 mA
Potentials: Communications power (U _L)	
Supply voltage	7.5 V DC (via voltage jumper)

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Current draw	max. 70 mA
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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. 250 mA (Short-circuit and overload protection)

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

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

Ambient temperature (operation)	-25 °C ... 55 °C
Degree of protection	IP20
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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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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