

Inline function terminal - IB IL DI 8/S0-PAC - 2897020

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Inline, Digital input terminal, Digital inputs: 8 (S0 counter inputs), 24 V DC, connection method: 4-wire, transmission speed in the local bus: 500 kbps, degree of protection: IP20, including Inline connectors and marking fields

Product Description

The IB IL DI 8/S0-PAC terminal is designed for use within an Inline station. It is ideal for recording counting pulses from impulse encoders with an S0 interface in acc. with DIN 43864 and for Class A impulse encoders in acc. with IEC 62053-31.

Your advantages

- ✓ 8 digital inputs
- ✓ Connection of sensors in 2, 3, and 4-wire technology
- ✓ Maximum permissible load current per sensor: 250 mA
- ✓ Maximum permissible load current from the terminal: 2 A
- ✓ 32-bit counter (up and down)
- ✓ Diagnostic and status indicators

Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4046356133098

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	119.8 mm
Depth	71.5 mm
Note on dimensions	Housing dimensions

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Ambient conditions

Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	10 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	10 % ... 95 % (non-condensing)
Air pressure (operation)	80 kPa ... 106 kPa (up to 2000 m above sea level)
Air pressure (storage/transport)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Degree of protection	IP20

General

Mounting type	DIN rail
Net weight	118 g
Note on weight specifications	with connectors
Operating mode	Process data mode with two words

Interfaces

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

Digital inputs

Input name	Digital inputs
Description of the input	IEC 62053-31 and DIN 43864
Connection method	Spring-cage connection
Connection technology	4-wire
Number of inputs	8 (S0 counter inputs)
Input voltage	24 V DC

Inline potentials

Designation	Communications power (U_L)
Supply voltage	7.5 V DC (via voltage jumper)
Current consumption	max. 55 mA
Designation	Segment circuit supply (U_S)
Supply voltage	24 V DC (via voltage jumper)
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Power supply unit	max. 70 mA (without sensor supply, inputs active)
Current consumption	max. 2 A (incl. sensor supply)
Power supply unit	max. 70 mA (without sensor supply, inputs active)

Electrical isolation

Test section	7.5 V supply (bus logics)/24 V supply (I/O) 500 V AC 50 Hz 1 min.
	24 V supply (I/O) / functional earth ground 500 V AC 50 Hz 1 min.
	7.5 V supply (bus logics) / functional earth ground 500 V AC 50 Hz 1 min.

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Standards and Regulations

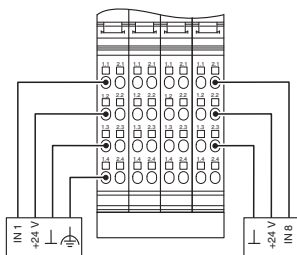
Protection class	III, IEC 61140, EN 61140, VDE 0140-1
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Environmental Product Compliance

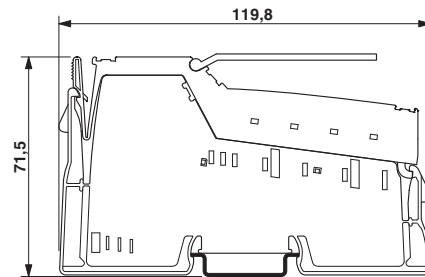
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Connection diagram



Dimensional drawing



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