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

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S0 counter terminal, eight counter inputs/digital inputs, detecting counter pulses from impulse encoders with an S0 interface compliant with DIN 43864 as well as those from impulse encoders of class A compliant with IEC 62053-31

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.

Why buy this product

- 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 STK
GTIN	 4 046356 133098

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

Ambient conditions

Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	0 % ... 85 % (non-condensing)

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Ambient conditions

Permissible humidity (storage/transport)	0 % ... 85 % (slight temporary condensation may sometimes appear on the housing)
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

Net weight	118 g
Note on weight specifications	Without plug
Mounting type	DIN rail

Interfaces

Designation	Inline local bus
Connection method	Inline data jumper
Transmission speed	500 kBit/s

Digital inputs

Input name	Digital inputs
Description of the input	According to DIN 43864
Connection method	Spring-cage connection
	2, 3, 4-wire
Number of inputs	8
Input voltage	24 V DC (via voltage jumper)

Power supply for module electronics

Connection method	Inline potential jumper
Supply voltage	24 V DC (via voltage jumper)
Supply voltage range	19.2 V DC ... 30 V DC
Communications power U_L	7.5 V (via voltage jumper)

Inline potentials

Communications power U_L	7.5 V DC
Current consumption from U_L	max. 50 mA
Segment circuit supply U_S	24 V DC (nominal value)
Current consumption from U_S	max. 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.
	24 V supply (I/O) / functional earth ground 500 V AC 50 Hz 1 min.
Protection class	III, IEC 61140, EN 61140, VDE 0140-1

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Classifications

eCl@ss

eCl@ss 4.0	27250302
eCl@ss 4.1	27250302
eCl@ss 5.0	27250302
eCl@ss 5.1	27242604
eCl@ss 6.0	27242605
eCl@ss 7.0	27242605
eCl@ss 8.0	27242605

ETIM

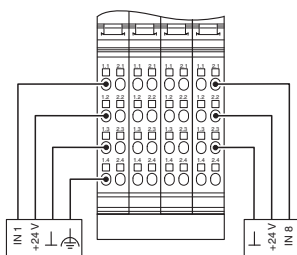
ETIM 2.0	EC001430
ETIM 3.0	EC001599
ETIM 4.0	EC001601
ETIM 5.0	EC001601

UNSPSC

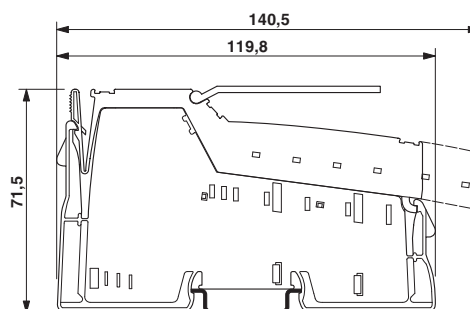
UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

Drawings

Connection diagram



Dimensional drawing



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Product	Code	Reference	Product link
S0 counter terminal, eight counter inputs/digital inputs, detecting counter pulses from impulse encoders with an S0 interface compliant with DIN 43864 as well as those from impulse encoders of class A compliant with IEC 62053-31	2897020	IB IL DI 8/ S0-PAC	Buy on EAN