

Inline terminal - IB IL AO 2/U/BP-PAC - 2861467

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Inline analog output terminal block, complete with accessories (connector and labeling field), 2 outputs, 0 - 10 V, ± 10 V, 2-wire connection method

Product Features

- Short update time of < 1 ms
- Short-circuit-proof current outputs
- Bipolar outputs
- Measured value acquisition with 16-bit resolution



Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	96.8 g
Custom tariff number	85389091
Country of origin	Germany

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Dimensions

Width	12.2 mm
Height	136.8 mm
Depth	71.5 mm

Ambient conditions

Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	10 % ... 95 % (according to DIN EN 61131-2)

Inline terminal - IB IL AO 2/U/BP-PAC - 2861467

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Ambient conditions

Permissible humidity (storage/transport)	10 % ... 95 % (according to DIN EN 61131-2)
Air pressure (operation)	70 kPa ... 106 kPa (up to 3000 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	48 g

Interfaces

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

Inline potentials

Communications power U_L	7.5 V DC (via voltage jumper)
Current consumption from U_L	max. 40 mA
	typ. 33 mA
I/O supply voltage U_{ANA}	24 V DC
Current consumption from U_{ANA}	max. 35 mA
	typ. 25 mA

Analog outputs

Number of outputs	2
Connection method	2-wire (shielded)
Output name	Analog outputs
D/A conversion time	< 100 μ s
D/A resolution	16 bit
Type of protection	Transient protection of outputs
Data formats	IL, IB ST
Representation of output values	16 bits (15 bits + sign)
DAC resolution	13 Bit
Process data update	< 2 ms
Voltage output signal	0 V ... 10 V
	-10 V ... 10 V
Load/output load voltage output	> 2 k Ω 0.05 %
	typ. 0.02 % (of output range final value)

Standards and Regulations

Inline terminal - IB IL AO 2/U/BP-PAC - 2861467

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Standards and Regulations

Test section	7.5 V supply (bus logic), 24 V supply U _{ANA} / I/O 500 V AC 50 Hz 1 min.
	7.5 V supply (bus logic), 24 V supply U _{ANA} /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.
Connection in acc. with standard	CUL
Protection class	III, IEC 61140, EN 61140, VDE 0140-1

Classifications

eCl@ss

eCl@ss 4.0	27250303
eCl@ss 4.1	27250303
eCl@ss 5.0	27250303
eCl@ss 5.1	27242601
eCl@ss 6.0	27242601
eCl@ss 7.0	27242601
eCl@ss 8.0	27242601

ETIM

ETIM 2.0	EC001431
ETIM 3.0	EC001596
ETIM 4.0	EC001596
ETIM 5.0	EC001596

UNSPSC

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

Approvals

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UL Recognized / cUL Recognized / LR / ABS / RINA / BSH / BV / BSH / EAC / cULus Recognized

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Approvals


Ex Approvals

UL Listed / cUL Listed / cULus Listed

Approvals submitted

Approval details

UL Recognized 

cUL Recognized 

LR

ABS


RINA

BSH

BV

BSH

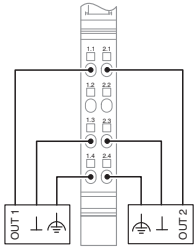
EAC

cULus Recognized 

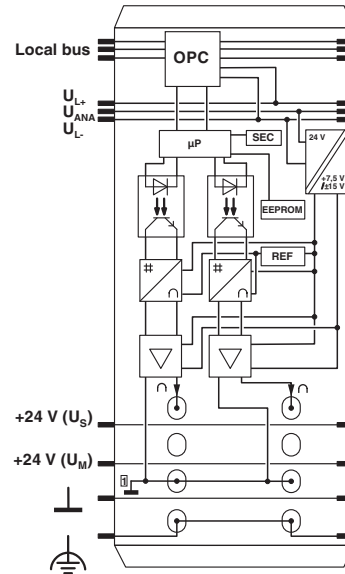
Drawings

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Connection diagram



Block diagram



Dimensional drawing

