

Inline terminal - IB IL AO 1/U/SF-PAC - 2861399

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Inline analog output terminal block, complete with accessories (connector and labeling field), 1 output, 0 - 10 V, 2-wire connection method

Product description

The analog Inline output terminals are used in applications in which analog actuators are to be addressed. With these terminals, common current and voltage output ranges can be configured individually. The analog signals are made available with a resolution of 16 bits. It goes without saying that you also have advantages in handling with the analog Inline output terminals, such as multi-wire connection or the automatic contact with the grounding conductor when the terminal is snapped onto the DIN rail. The Inline terminals can be labeled using hinged labeling fields. The fields have insert cards that can be labeled individually to suit the application. Additionally, there is the proven ZBFM-6... Zack strip for labeling the terminal points.

Product Features

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



Key commercial data

| | |
|--------------------------------------|----------|
| Packing unit | 1 pc |
| Weight per Piece (excluding packing) | 91.9 GRM |
| 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 |
|-------------------------|---|

Dimensions

| | |
|-------|---------|
| Width | 12.2 mm |
|-------|---------|

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Technical data

Dimensions

| | |
|--------|----------|
| 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) |
| 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

| | |
|------------------|---|
| Weight | 90 g |
| Mounting type | DIN rail |
| Protection class | III, IEC 61140, EN 61140, VDE 0140-1 |
| 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 500 V AC 50 Hz 1 min |

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. 30 mA |
| I/O supply voltage U_{ANA} | 24 V DC |
| Current consumption from U_{ANA} | max. 20 mA |
| | typ. 15 mA |

Analog outputs

| | |
|-------------------|-------------------|
| Number of outputs | 1 |
| Connection method | 2-wire (shielded) |
| Output name | Analog outputs |
| D/A resolution | 16 bit |

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Technical data

Analog outputs

| | |
|---------------------------------|--|
| Type of protection | Transient protection of outputs |
| Representation of output values | 16 bits (15 bits + sign) |
| DAC resolution | 16 Bit |
| Process data update | < 1 ms |
| Voltage output signal | 0 V ... 10 V |
| Load/output load voltage output | > 2 kΩ 0.05 % |
| | typ. 0.5 % (of output range final value) |

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

Approvals

Approvals

UL Recognized / cUL Recognized / GOST / cULus Recognized

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Approvals


Ex Approvals

UL Listed / cUL Listed / cUL Listed / cULus Listed / cULus Listed


Approvals submitted

Approval details

UL Recognized 

cUL Recognized 

GOST 

cULus Recognized 

Accessories

Accessories

Connector set

Connector set - IB IL AO/CNT-PLSET - 2732664



Connector set

Labeling panel

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Accessories

Labeling field - IB IL FIELD 2 - 2727501

Labeling field, width: 12.2 mm



Plug

Inline shield connector - IB IL SCN-6 SHIELD - 2726353



Inline shield connector

Inline connector - IB IL SCN-8 - 2726337



Connector, for digital 1, 2 or 8-channel Inline terminals

Inline connector - IB IL SCN-8-CP - 2727608



Inline connector, colored

Terminal marking

Insert strip - ESL 62X10 - 0809492



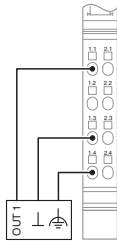
Insert strip, Sheet, white, unlabeled, can be labeled with: Office printing systems, Plotter: Laser printer, Mounting type: Insert, Lettering field: 62 x 10 mm

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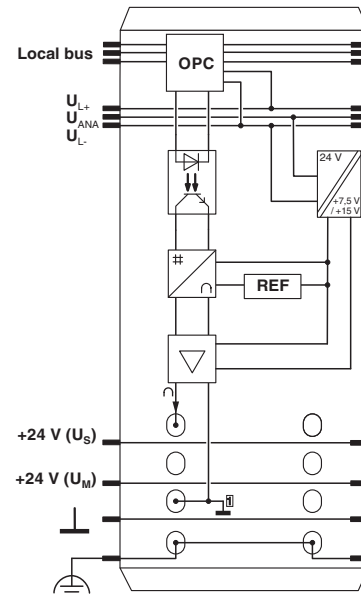
Accessories

Drawings

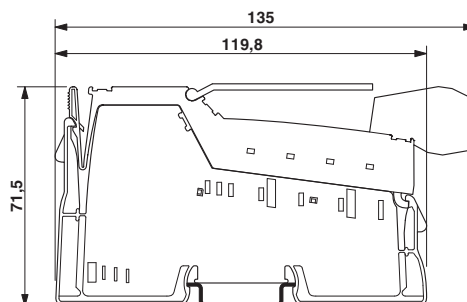
Connection diagram



Block diagram



Dimensioned drawing



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Catalog photo

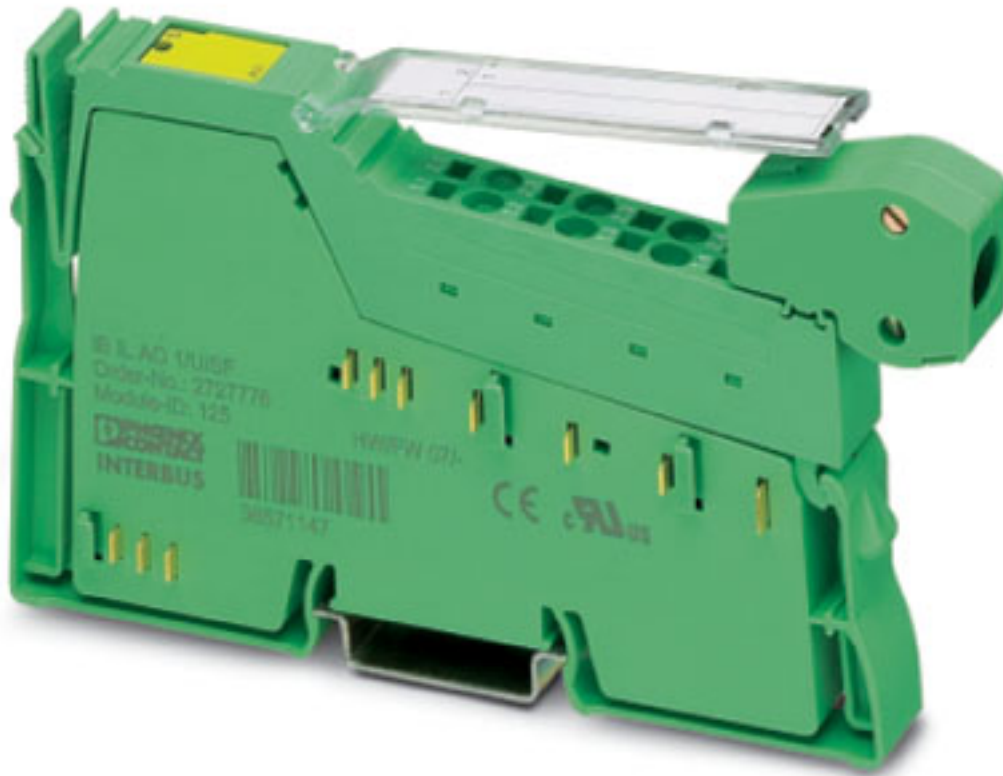


Figure may contain other products.