

## 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,  $\pm 10$  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 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  |
| 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) |

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### Technical data

#### 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

|                  |   |
|------------------|---|
| Weight           | 48 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 of encoder supply 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. 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 $\mu$ s                   |
| 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                    |

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### Technical data

#### Analog outputs

|                                 |   |
|---------------------------------|---|
|                                 | -10 V ... 10 V                            |
| Load/output load voltage output | > 2 kΩ 0.05 %                             |
|                                 | typ. 0.02 % (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

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#### Approvals

UL Recognized / cUL Recognized / GOST / LR / GL / DNV / ABS / RINA / GL-SW / BSH / BV / BSH / cULus Recognized / GL

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#### Ex Approvals

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

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## Approvals

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Approvals submitted

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### Approval details

UL Recognized 

cUL Recognized 

GOST 

LR

GL

DNV

ABS

RINA

GL-SW

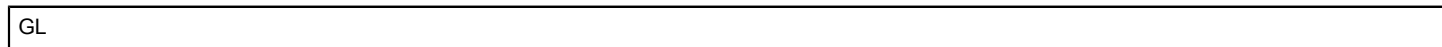
BSH

BV

BSH

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

### Approvals



### Accessories

#### Accessories

#### Connector set

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



Connector set

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#### Labeling panel

Labeling field - IB IL FIELD 2 - 2727501

Labeling field, width: 12.2 mm



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#### Plug

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



Inline shield connector

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

### Accessories

Inline connector - IB IL SCN-8 - 2726337



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

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



Inline connector, colored

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### Terminal marking

Insert strip - ESL 62X10 - 0809492



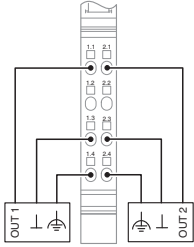
Insert strip, Sheet, white, unlabeled, can be labeled with: Office printing systems, Plotter: Laser printer, Mounting type: Insert, Lettering field: 62 x 10 mm

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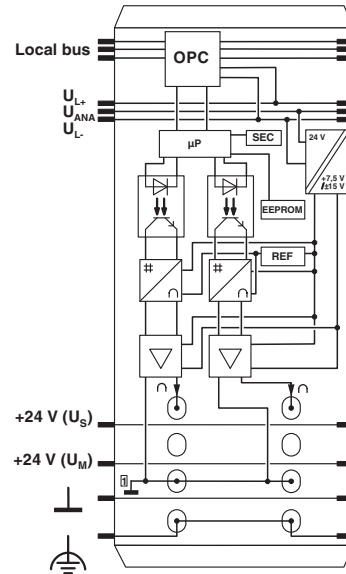
### Drawings

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

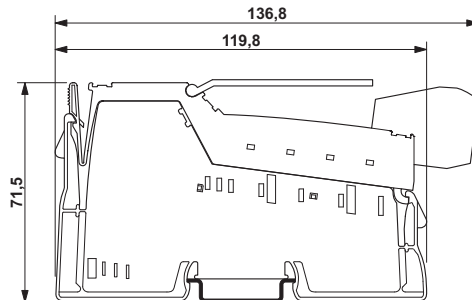
Connection diagram



Block diagram



Dimensioned drawing



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Catalog photo

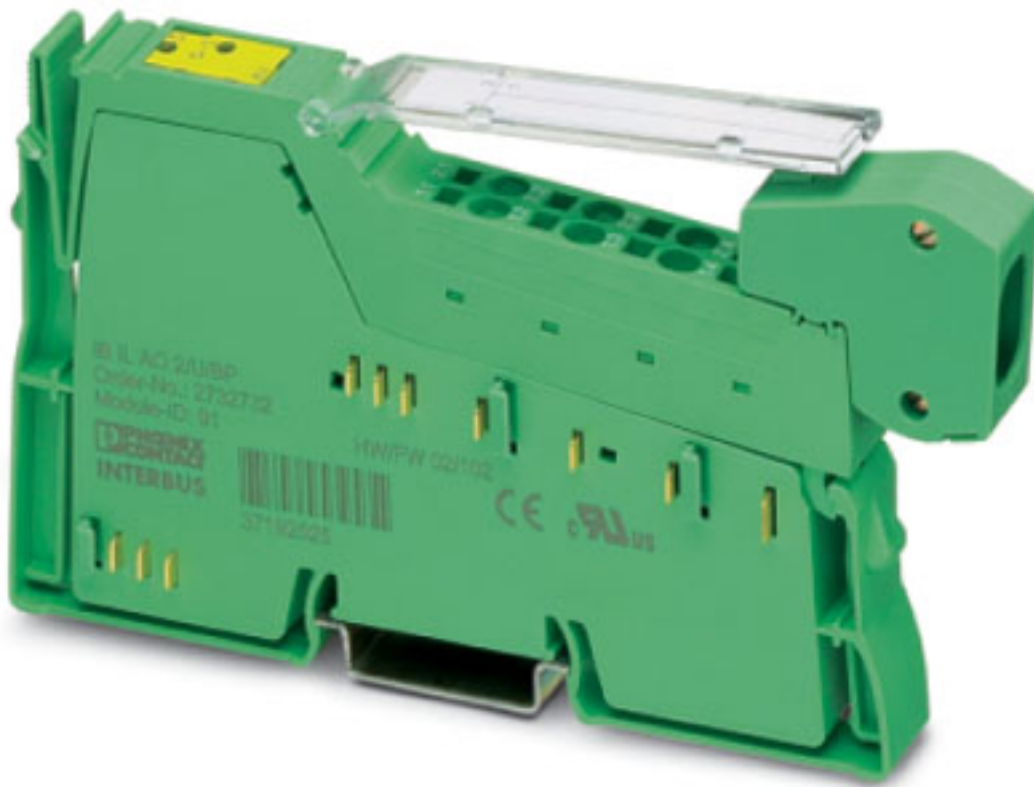


Figure may contain other products.