

## Inline terminal - IB IL AO 4/8/U/BP-2MBD-PAC - 2878052

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Inline analog output terminal, complete with accessories (connector and labeling field), 8 outputs, 0 - 10 V,  $\pm 10$  V, transmission speed 2 Mbaud, 2-conductor connection system

### Why buy this product

- 8 analog bipolar outputs
- Connection of actuators in 2-wire technology
- Channels are configured independently of one another using the bus system
- Output values can be represented in four different formats
- Diagnostic and status indicators



### Key commercial data

Packing unit	1 pc
GTIN	 4 046356 048453
Weight per Piece (excluding packing)	215.0 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	48.8 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

Net weight	215 g
Mounting type	DIN rail
Protection class	III, IEC 61140, EN 61140, VDE 0140-1

### Interfaces

Designation	Inline local bus
Connection method	Inline data jumper
Transmission speed	2 MBit/s
Transmission physics	Copper

### Inline potentials

Communications power $U_L$	7.5 V DC (via voltage jumper)
Current consumption from $U_L$	max. 120 mA
	typ. 100 mA
I/O supply voltage $U_{ANA}$	24 V DC
Current consumption from $U_{ANA}$	max. 95 mA
	typ. 72 mA

### Analog outputs

Number of outputs	8
Connection method	2-wire (shielded)
Output name	Analog outputs
Type of protection	Transient protection of outputs
Data formats	IB IL, IB ST, IB RT, standardized representation, S7 compatible
Representation of output values	16 bits (15 bits + sign)
Process data update	< 2 ms (depends on operating mode)
Load/output load current output	> 2 k $\Omega$
Voltage output signal	0 V ... 10 V
	-10 V ... 10 V
	0 V ... 5 V
	-5 V ... 5 V
Load/output load voltage output	> 2 k $\Omega$ 0.05 %
	typ. 0.1 % (of output range final value)

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## 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 Listed / cUL Listed / cULus Listed

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#### Ex Approvals

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Approvals submitted

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### Approval details

UL Listed
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## Inline terminal - IB IL AO 4/8/U/BP-2MBD-PAC - 2878052

### Approvals

cUL Listed 

cULus Listed 

### Accessories

#### Accessories

#### 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-TWIN - 2740245



Inline shield connector

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



Inline shield connector

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#### Terminal marking

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## Accessories

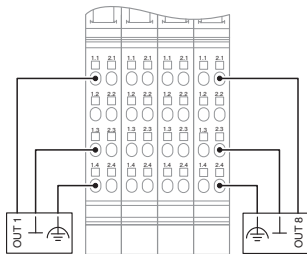
Insert strip - ESL 62X10 - 0809492

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

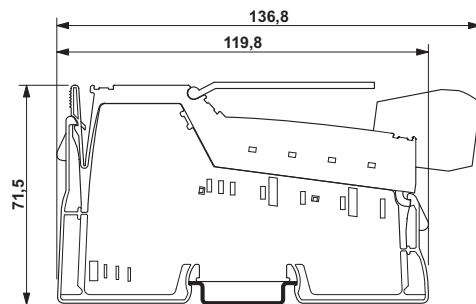


## Drawings

Connection diagram



Dimensioned drawing



Block diagram

