

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

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Inline, Analog output terminal, Analog outputs: 8, 0 V ... 10 V, -10 V ... 10 V, 0 V ... 5 V, -5 V ... 5 V, connection method: 2-wire, transmission speed in the local bus: 2 Mbps, degree of protection: IP20, including Inline connectors and marking fields

Your advantages

- 8 analog bipolar outputs
- Connection of actuators in 2-wire technology
- The channels are parameterized independently of one another via 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
GTIN	4046356048453

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)
Permissible humidity (storage/transport)	10 % ... 95 % (according to DIN EN 61131-2)

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Technical data

Ambient conditions

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	215 g

Interfaces

Designation	Inline local bus
No. of channels	4
Connection method	Inline data jumper
Transmission speed	2 Mbps
Transmission physics	Copper

Inline potentials

Designation	Communications power (U_L)
Supply voltage	7.5 V DC (via voltage jumper)
Current consumption	typ. 100 mA max. 120 mA
Designation	Supply of analog modules (U_{ANA})
Supply voltage	24 V DC (via voltage jumper)
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Current consumption	typ. 72 mA max. 95 mA

Analog outputs

Number of outputs	8
Connection technology	2-wire
Note regarding the connection technology	shielded
Output name	Analog outputs
D/A resolution	16 bit
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 Ω
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 Ω 0.05 %
Precision	typ. 0.1 % (of output range final value)

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Technical data

Standards and Regulations

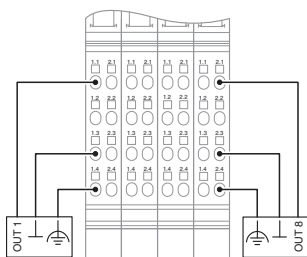
Protection class	III, IEC 61140, EN 61140, VDE 0140-1
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Environmental Product Compliance

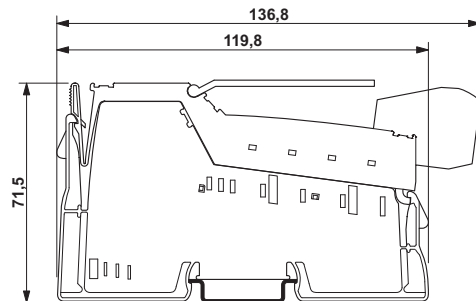
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

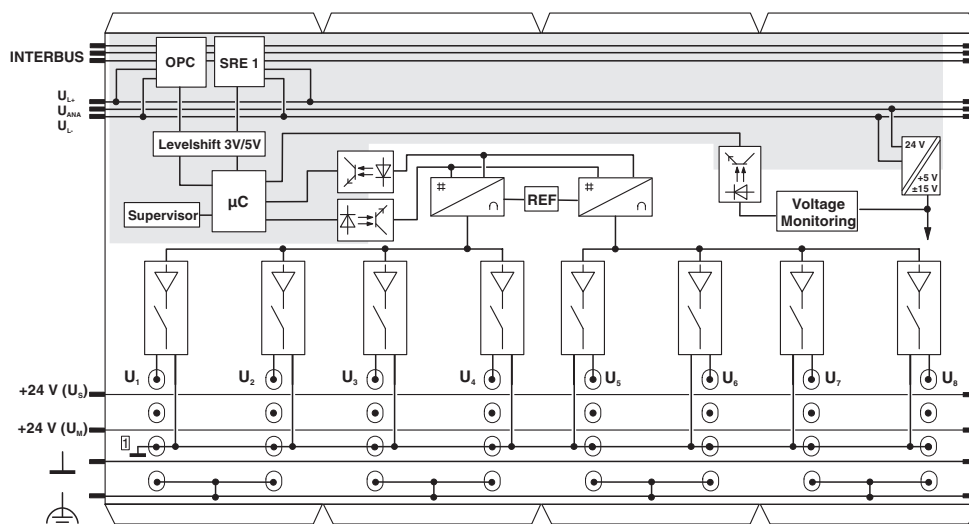
Connection diagram



Dimensional drawing



Block diagram



Approvals

Approvals

Approvals

UL Listed / cUL Listed / cULus Listed


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Approvals

Ex Approvals

Approval details

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324
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cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324
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cULus Listed			
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