

# Inline terminal - IB IL 24 DO 2-2A-PAC - 2861263

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Inline digital output terminal block, complete with accessories (connector and labeling field), 2 outputs, 24 V DC, 2 A, 4-wire connection method

## Product Features

- 2 digital outputs
- Connection of actuators in 2, 3, and 4-wire technology
- Nominal current per output: 2 A
- Total current of the terminal: 4 A
- Short-circuit-proof and overload-protected outputs
- Diagnostic and status indicators



## Key commercial data

<b>package_quantity</b>	1
<b>GTIN</b>	4017918894207

## Technical data

### Note

<b>Utilization restriction</b>	EMC: class A product, see manufacturer's declaration in the download area
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### Dimensions

<b>Width</b>	12.2 mm
<b>Height</b>	119.8 mm
<b>Depth</b>	71.5 mm
<b>Note on dimensions</b>	Housing dimensions

### Ambient conditions

<b>Ambient temperature (operation)</b>	-25 °C ... 55 °C
<b>Ambient temperature (storage/transport)</b>	-25 °C ... 85 °C
<b>Permissible humidity (operation)</b>	10 % ... 95 % (according to DIN EN 61131-2)
<b>Permissible humidity (storage/transport)</b>	10 % ... 95 % (according to DIN EN 61131-2)
<b>Air pressure (operation)</b>	70 kPa ... 106 kPa (up to 3000 m above sea level)
<b>Air pressure (storage/transport)</b>	70 kPa ... 106 kPa (up to 3000 m above sea level)
<b>Degree of protection</b>	IP20

### General

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## Technical data

### General

<b>Weight</b>	61 g
<b>Note on weight specifications</b>	with connector
<b>Mounting type</b>	DIN rail
<b>Operating mode</b>	Process data mode with 2 bits
<b>Protection class</b>	III, IEC 61140, EN 61140, VDE 0140-1
<b>Test section</b>	5 V supply, incoming remote bus/7.5 V supply (bus logics) 500 V AC 50 Hz 1 min
<b>Test section</b>	5 V supply, outgoing remote bus/7.5 V supply (bus logics) 500 V AC 50 Hz 1 min
<b>Test section</b>	7.5 V supply (bus logics)/24 V supply (I/O) 500 V AC 50 Hz 1 min
<b>Test section</b>	24 V supply (I/O) / functional earth ground 500 V AC 50 Hz 1 min
<b>Diagnostics messages</b>	Short-circuit / overload of the digital outputs Error message in the diagnostic code (bus) and display (2 Hz) via the LED (D) on the module

### Interfaces

<b>Fieldbus system</b>	Lokalbus
<b>Designation</b>	Inline local bus
<b>Connection method</b>	Inline data jumper
<b>Transmission speed</b>	500 kBit/s

### Power supply for module electronics

<b>Supply voltage</b>	24 V DC (via voltage jumper)
<b>Supply voltage range</b>	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
<b>Communications power <math>U_L</math></b>	7.5 V (via voltage jumper)
<b>Current consumption</b>	max. 35 mA (from the local bus)

### Inline potentials

<b>Communications power <math>U_L</math></b>	7.5 V DC
<b>Current consumption from <math>U_L</math></b>	max. 35 mA
<b>Main circuit supply <math>U_M</math></b>	24 V DC
<b>Segment supply voltage <math>U_S</math></b>	24 V DC (nominal value)
<b>Current consumption from <math>U_S</math></b>	max. 4 A
<b>Power consumption</b>	max. 0.27 W (at $U_L$ )

### Digital outputs

<b>Output name</b>	Digital outputs
<b>Connection method</b>	Spring-cage connection
<b>Connection method</b>	2, 3, 4-wire
<b>Number of outputs</b>	2
<b>Protective circuit</b>	Overload protection, short-circuit protection of outputs
<b>Output voltage</b>	24 V ( $U_S - 1$ V)
<b>Nominal output voltage</b>	24 V DC (voltage difference at $I_{nom} \leq 1$ V)
<b>Maximum output current per channel</b>	2 A
<b>Maximum output current per module</b>	4 A

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## Technical data

### Digital outputs

Nominal load, inductive	48 W (1.2 H, 12 Ω)
Nominal load, lamp	48 W
Nominal load, ohmic	48 W (12 Ω)

## classifications

### eCl@ss

eCl@ss 4.0	27250302
eCl@ss 4.1	27250302
eCl@ss 5.0	27250302
eCl@ss 5.1	27242604
eCl@ss 6.0	27242604
eCl@ss 7.0	27242604
eCl@ss 8.0	27242604

### ETIM

ETIM 2.0	EC001430
ETIM 3.0	EC001599
ETIM 4.0	EC001599
ETIM 5.0	EC001599

### UNSPSC


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

## approvals

UL Listed / cUL Listed / ATEX / cULus Listed / UL Recognized / cUL Recognized / GOST / cULus Recognized /

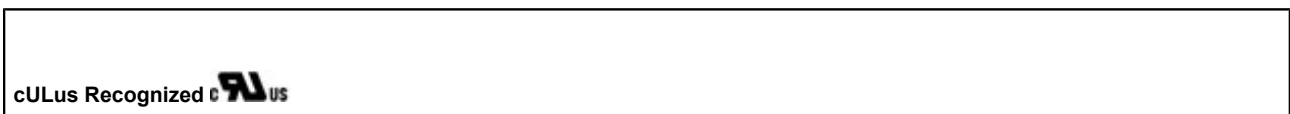
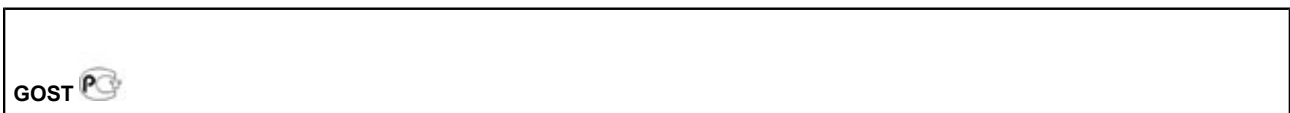
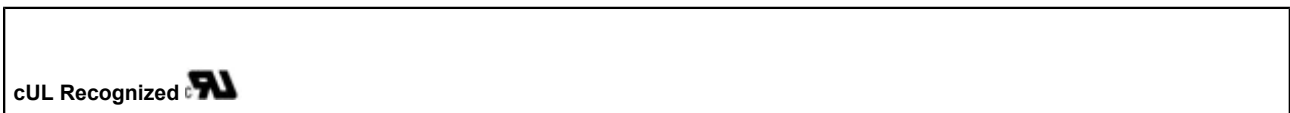
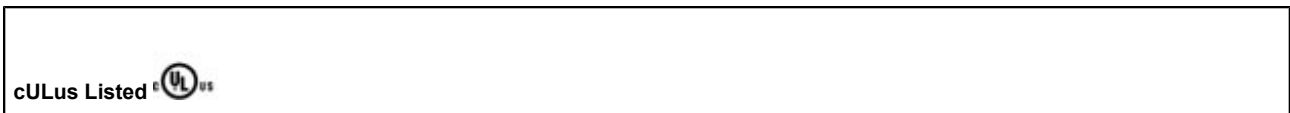
### Approval details

UL Listed 
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cUL Listed 
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# Inline terminal - IB IL 24 DO 2-2A-PAC - 2861263

approvals



accessories

**Labeling panel**

IB IL FIELD 2 - 2727501



**Terminal marking**

ESL 62X10 - 0809492



## Inline terminal - IB IL 24 DO 2-2A-PAC - 2861263

### accessories

ESL 62X46 - 0809502



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### Plug

IB IL SCN-8-CP - 2727608



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IB IL SCN-8 - 2726337



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### accessories

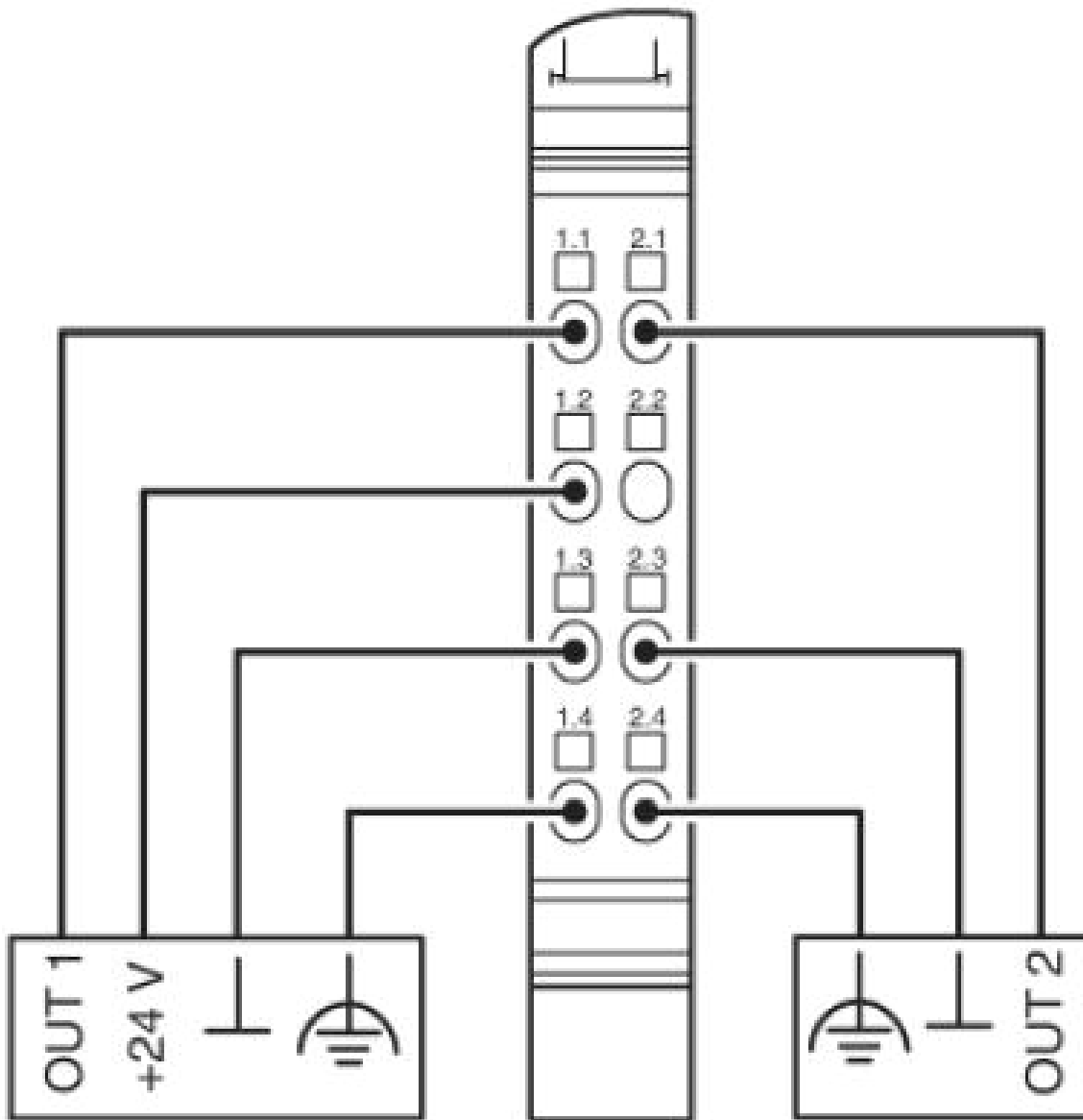
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### Drawings

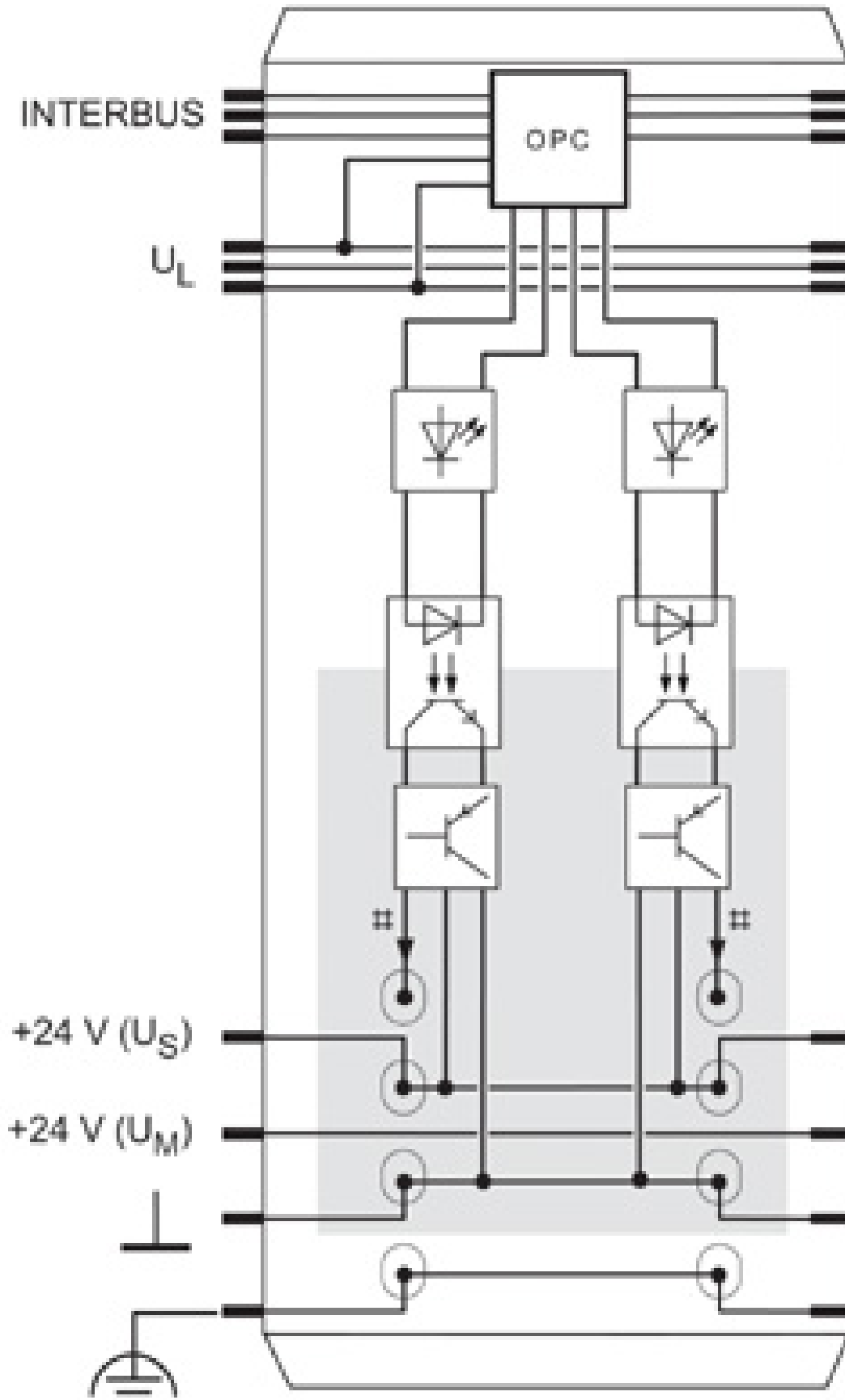
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Connection diagram



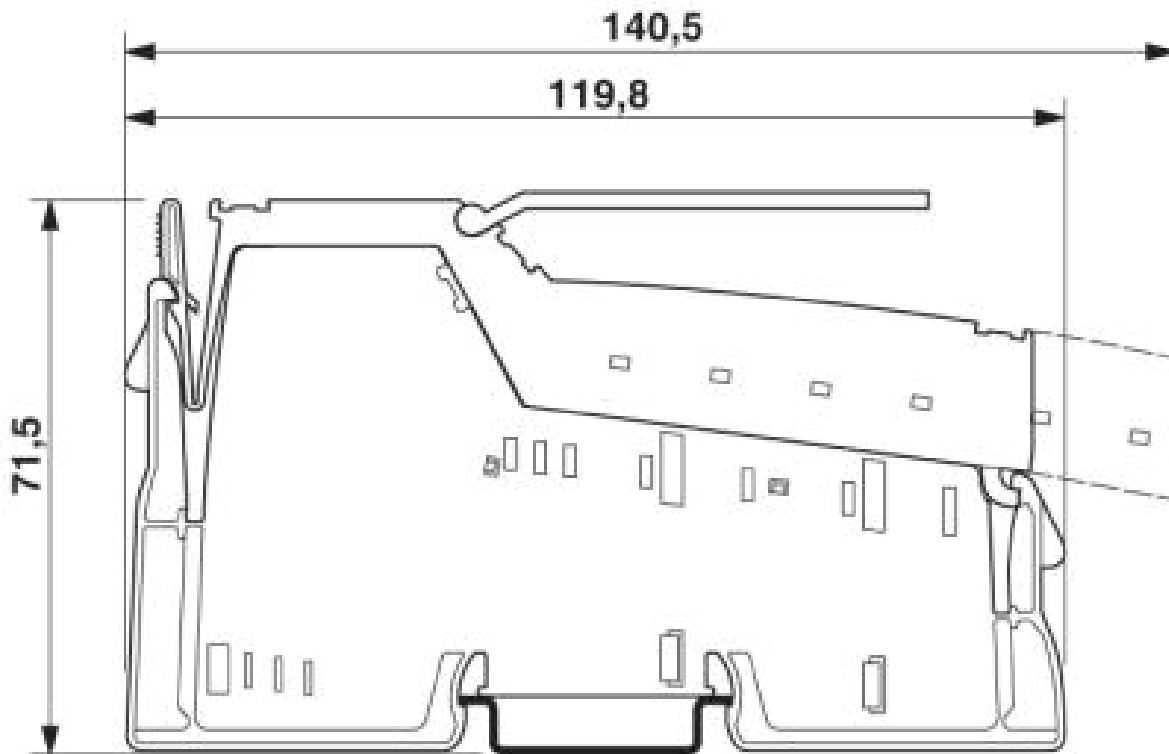
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Block diagram



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Dimensioned drawing



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