

## Inline terminal - IB IL 24 DO 8-2A-PAC - 2861603

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Inline digital output terminal block, complete with accessories (connecting plug and labeling field), 8 outputs, 24 V DC, 2 A, 4-wire connection method




### Why buy this product

- 8 digital outputs
- Connection of actuators in 2, 3, and 4-wire technology
- Nominal current per output: 2 A
- Total current of the terminal: 8 A
- Short-circuit-proof and overload-protected outputs
- Diagnostic and status indicators
- Approved for use in a safety-related segment circuit (refer to data sheet)



### Key commercial data

Packing unit	1 pc
GTIN	 4 017918 894450
Weight per Piece (excluding packing)	178.71 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	119.8 mm
Depth	71.5 mm
Note on dimensions	Housing dimensions

#### Ambient conditions

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## Technical data

### 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	130 g
Note on weight specifications	Without plug
Mounting type	DIN rail
Operating mode	Process data mode with one byte
Protection class	III, IEC 61140, EN 61140, VDE 0140-1
Test section	5 V supply, incoming remote bus/7.5 V supply (bus logics) 500 V AC 50 Hz 1 min
	5 V supply, outgoing remote bus/7.5 V supply (bus logics) 500 V AC 50 Hz 1 min
	7.5 V supply (bus logics)/24 V supply (I/O) 500 V AC 50 Hz 1 min
	24 V supply (I/O) / functional earth ground 500 V AC 50 Hz 1 min
Diagnostics messages	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

Fieldbus system	Lokalbus
Name	Inline local bus
Connection method	Inline data jumper
Transmission speed	500 kBit/s

### Power supply for module electronics

Supply voltage	24 V DC (via voltage jumper)
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Communications power $U_L$	7.5 V (via voltage jumper)
Current consumption	max. 60 mA (from the local bus)

### Inline potentials

Communications power $U_L$	7.5 V DC
Current consumption from $U_L$	max. 60 mA
Main circuit supply $U_M$	24 V DC
Segment supply voltage $U_S$	24 V DC (nominal value)
Current consumption from $U_S$	max. 8 A
Power consumption	max. 0.45 W (at $U_L$ )

### Digital outputs

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## Technical data

### Digital outputs

Output name	Digital outputs
Connection method	Spring-cage connection
	2, 3, 4-wire
Number of outputs	8
Protective circuit	Overload protection, short-circuit protection of outputs
Output voltage	24 V DC ( $U_s - 1 V$ )
Nominal output voltage	24 V DC (voltage difference at $I_{nom} \leq 1 V$ )
Maximum output current per channel	2 A
Maximum output current per module	8 A (with 50% simultaneity)
Nominal load, inductive	48 VA (1.2 H, 12 $\Omega$ )
Nominal load, lamp	48 W
Nominal load, ohmic	48 W

## 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

### Approvals

# Inline terminal - IB IL 24 DO 8-2A-PAC - 2861603

## Approvals

Approvals

UL Recognized / cUL Recognized / GOST / UL Recognized / cUL Recognized / GOST / cULus Recognized

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Ex Approvals

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Approvals submitted


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## Approval details


UL Recognized 

cUL Recognized 

GOST 

UL Recognized 

cUL Recognized 

GOST 

cULus Recognized 

## Accessories

Accessories

Connector set

## Inline terminal - IB IL 24 DO 8-2A-PAC - 2861603

### Accessories

Connector set - IB IL DI/DO 8-PLSET/CP - 2860963



Connector set, for IB IL DI/DO 8, copper, with color print.

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### Labeling panel

Labeling field - IB IL FIELD 2 - 2727501

Labeling field, width: 12.2 mm



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Labeling field - IB IL FIELD 8 - 2727515

Labeling field, width: 48.8 mm



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### Plug

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



Inline connector, colored

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Inline plug - IB IL SCN-8 - 2726337



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

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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



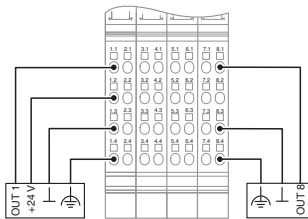
Insert strip - ESL 62X46 - 0809502

Insert strip, Sheet, white, Unlabeled, Can be labeled with: Office printing systems, Plotter: Laser printer, Mounting type: Insert, Lettering field: 62 x 46 mm

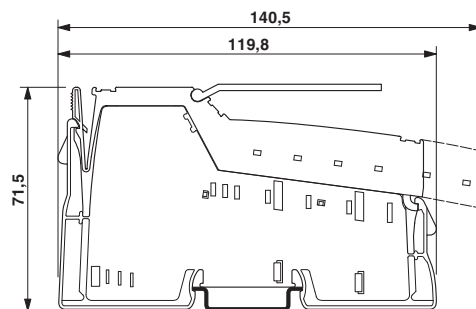


## Drawings

Connection diagram



Dimensioned drawing



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Block diagram

