

# Inline ME terminal - IB IL 24 DO 4-ME - 2863931

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Inline digital output terminal, Inline ME versions (machine edition) complete with accessories (plug and labeling field), four outputs, 24 V DC, 500 mA, 2, 3-conductor connection method

## Why buy this product

- 4 digital outputs
- Connection of actuators in 2 and 3-wire technology
- Nominal current per output: 500 mA
- Total current of the terminal: 2 A
- Short-circuit-proof and overload-protected outputs
- Diagnostic and status indicators



## Key commercial data

Packing unit	4 PCE
GTIN	4 017918 962661
Weight per Piece (excluding packing)	62.453 GRM
Weight per piece (including packing)	69.3 GRM
Custom tariff number	85389091
Country of origin	Germany
Sales Key	O1 - Automatisation Systems

## Technical data

### Note:

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

Width	12.2 mm
Height	119.8 mm
Depth	71.5 mm
Note on dimensions	Housing dimensions

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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	44 g
Note on weight specifications	Without plug
Mounting type	DIN rail
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

Name	Inline local bus
Connection method	Inline data jumper
Transmission speed	500 kBit/s
Transmission physics	Copper

### Power supply for module electronics

Supply voltage	24 V DC (nominal value)
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Supply current	44 mA
Communications power $U_L$	7.5 V (via voltage jumper)
Current consumption	max. 44 mA (from the local bus)
Power consumption	max. 0.33 W

### Inline potentials

Communications power $U_L$	7.5 V DC
Current consumption from $U_L$	max. 44 mA
Segment supply voltage $U_S$	24 V DC (nominal value)
Current consumption from $U_S$	max. 2 A

### Digital outputs

Output name	Digital outputs
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## Technical data

### Digital outputs

Connection method	Spring-cage connection
	2, 3-wire
Number of outputs	4
Protective circuit	Overload protection, short-circuit protection of outputs
Output voltage	24 V DC ( $U_s - 1 \text{ V}$ )
Nominal output voltage	24 V DC (voltage difference at $I_{nom} \leq 1 \text{ V}$ )
Maximum output current per channel	500 mA
Maximum output current per module	2 A
Nominal load, inductive	12 VA (1.2 H; 48 $\Omega$ )
Nominal load, lamp	12 W
Nominal load, ohmic	12 W (48 $\Omega$ )

## 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 ME terminal - IB IL 24 DO 4-ME - 2863931

## Approvals

Approvals

UL Recognized / cUL Recognized / cULus Recognized

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Ex Approvals

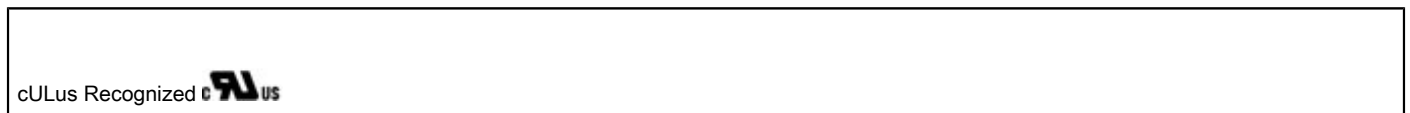
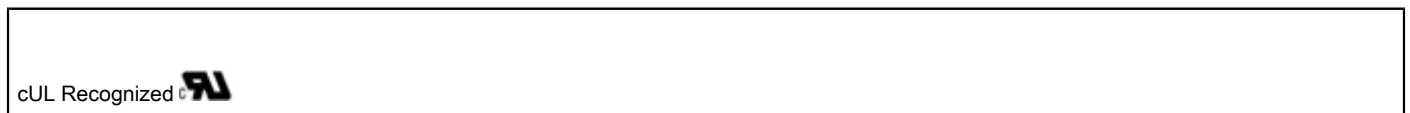
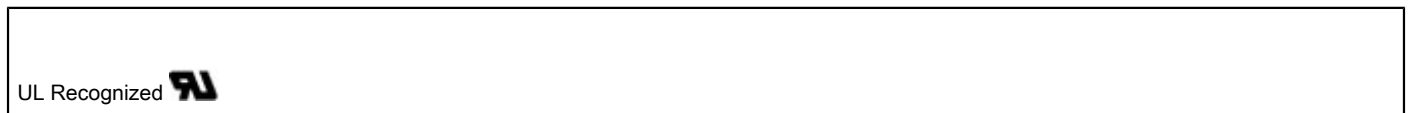
UL Listed / cUL Listed / cULus Listed

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Approvals submitted

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## Approval details



## Accessories

Accessories

Labeling panel

Labeling field - IB IL FIELD 2 - 2727501

Labeling field, width: 12.2 mm



## 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



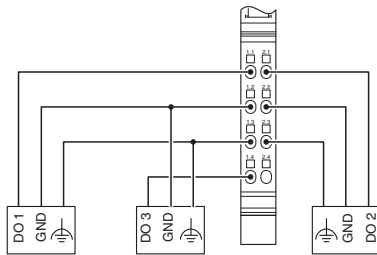
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## Accessories

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## Drawings

Connection diagram



Dimensioned drawing

