

## Inline terminal - IB IL 24 DO 16-PAC - 2861292

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Inline digital output terminal, complete with accessories (connector plug and labeling field), 16 outputs, 24 V DC, 500 mA, 3-wire connection technology

### Product Features

- 16 digital outputs
- Connection of actuators in 2 and 3-wire technology
- Nominal current per output: 500 mA
- Total current of the terminal: 8 A
- Short-circuit-proof and overload-protected outputs
- Diagnostic and status indicators



### Key commercial data

Packing unit	1 1
Weight per Piece (excluding packing)	238.9 GRM
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	140.5 mm
Depth	71.5 mm
Note on dimensions	Housing dimensions

#### Ambient conditions

## Inline terminal - IB IL 24 DO 16-PAC - 2861292

### 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	218 g
Note on weight specifications	with male connectors
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

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)
Supply current	90 mA
Communications power $U_L$	7.5 V (via voltage jumper)
Current consumption	max. 90 mA (from the local bus)
Power consumption	max. 0.675 W (at $U_L$ )

#### Inline potentials

Communications power $U_L$	7.5 V DC
Current consumption from $U_L$	max. 90 mA
Main circuit supply $U_M$	24 V DC

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### Technical data

#### Inline potentials

Segment supply voltage $U_S$	24 V DC (nominal value)
Current consumption from $U_S$	max. 8 A

#### Digital outputs

Output name	Digital outputs
Connection method	Spring-cage connection
	2, 3-wire
Number of outputs	16
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	500 mA
Maximum output current per module	8 A
Nominal load, inductive	12 W
Nominal load, lamp	12 W
Nominal load, ohmic	12 VA

### 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

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## Classifications

### UNSPSC

UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

## Approvals

### Approvals

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#### Approvals

UL Recognized / cUL Recognized / GOST / LR / GL / BV / DNV / ABS / RINA / GL-SW / BSH / LR / ABS / BSH / cULus Recognized / GL

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#### Ex Approvals


UL Listed / cUL Listed / ATEX / cULus Listed

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#### Approvals submitted

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## Approval details

UL Recognized 

cUL Recognized 

GOST 

LR

GL

BV

## Inline terminal - IB IL 24 DO 16-PAC - 2861292

### Approvals

DNV

ABS

RINA

GL-SW

BSH

LR

ABS

BSH

cULus Recognized  US

GL

### Accessories

#### Accessories

#### Connector set

Connector set - IB IL DO16-PLSET/OCP - 2860992



Connector set, for IB IL DO 16, copper, colored identification.

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#### Front adapter

## Inline terminal - IB IL 24 DO 16-PAC - 2861292

### Accessories

Front adapters - FLKM 14-PA-INLINE/OUT16 - 2302764



VARIOFACE front adapter for Inline modules, for transferring 16 (2 x 8) digital output signals.

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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-12 - 2726340



Connector, for digital 4 or 16-channel Inline terminals

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Inline plug - IB IL SCN-12-OCP - 2727624



Connector, colored identification, for digital 4, or 16-channel Inline output terminal blocks

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## Accessories

### 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



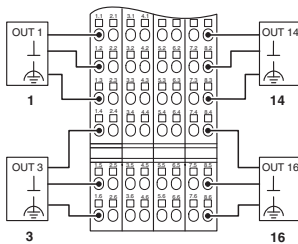
Insert strip - ESL 62X46 - 0809502

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

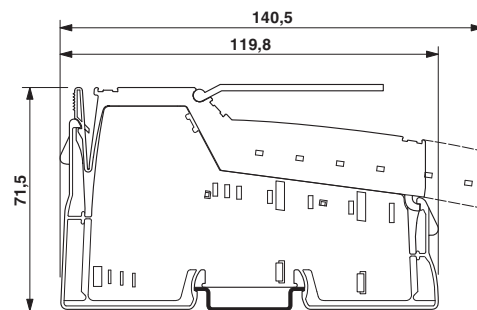


## Drawings

Connection diagram



Dimensioned drawing



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Block diagram

