

## Inline terminal - IB IL 24 DO 8-PAC - 2861289

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Inline digital output terminal block, complete with accessories (connector and labeling field), 8 outputs, 24 V DC, 500 mA, 4-wire connection method

### Product Features

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



### Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	206.4 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
-------------------------	---

#### Dimensions

Width	48.8 mm
Height	119.8 mm
Depth	71.5 mm
Note on dimensions	Housing dimensions

#### Ambient conditions

## Inline terminal - IB IL 24 DO 8-PAC - 2861289

### 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
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
Designation	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. 4 A

## Inline terminal - IB IL 24 DO 8-PAC - 2861289

### 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 ( $U_s - 1$ 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	4 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
UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

# Inline terminal - IB IL 24 DO 8-PAC - 2861289

## Approvals

### Approvals

---

#### Approvals

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

---

#### Ex Approvals


UL Listed / cUL Listed / UL Listed / cUL Listed / cUL Listed / cULus Listed / cULus Listed


---


#### Approvals submitted

---

## Approval details

UL Recognized 

cUL Recognized 

GOST 

LR

GL

BV

DNV

ABS

# Inline terminal - IB IL 24 DO 8-PAC - 2861289

## Approvals

RINA

GL-SW

BSH

BSH

UL Recognized 

cUL Recognized 

GOST 

LR

GL

BV

ABS

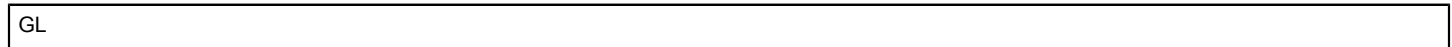
ABS

RINA

GL-SW

## Inline terminal - IB IL 24 DO 8-PAC - 2861289

### Approvals



### Accessories

#### Accessories

#### Labeling panel

Labeling field - IB IL FIELD 2 - 2727501

Labeling field, width: 12.2 mm



Labeling field - IB IL FIELD 8 - 2727515

Labeling field, width: 48.8 mm



### Plug

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



Inline connector, colored

# Inline terminal - IB IL 24 DO 8-PAC - 2861289

## Accessories

Inline connector - IB IL SCN-8 - 2726337



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

## 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

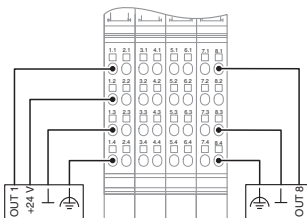
Insert strip - ESL 62X46 - 0809502



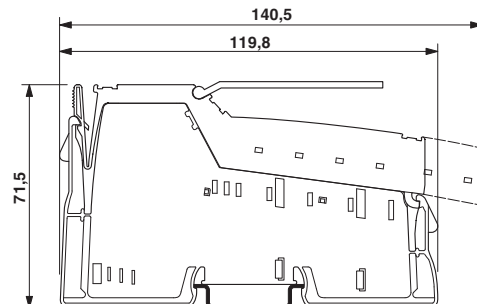
Insert strip, Sheet, white, unlabeled, can be labeled with: Office printing systems, Plotter: Laser printer, Mounting type: Insert, Lettering field: 62 x 46 mm

## Drawings

Connection diagram

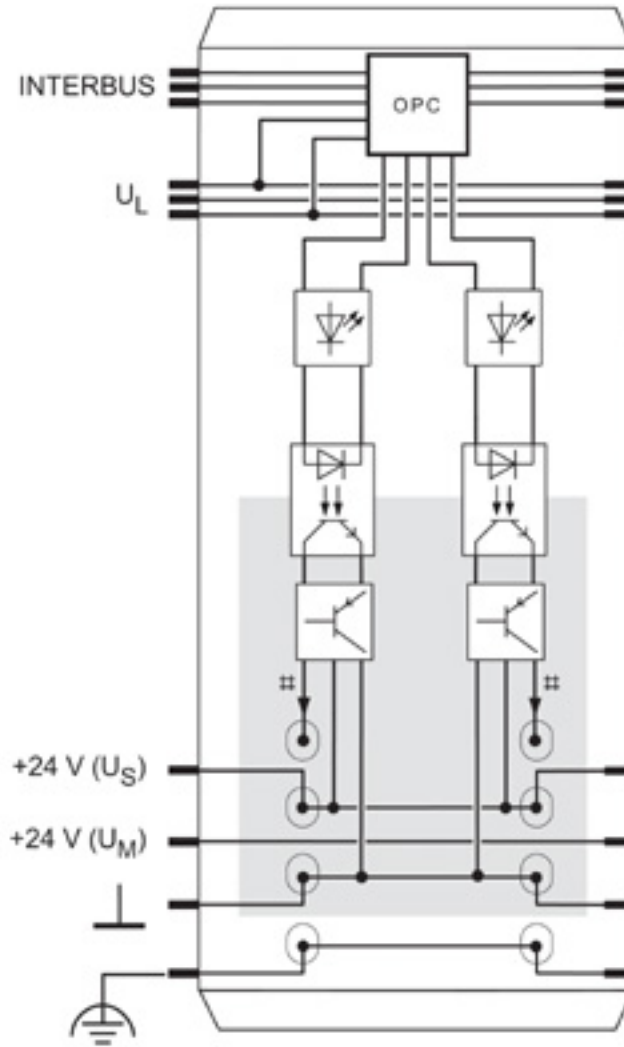


Dimensioned drawing



# Inline terminal - IB IL 24 DO 8-PAC - 2861289

Block diagram





## Inline terminal - IB IL 24 DO 8-PAC - 2861289

Catalog photo

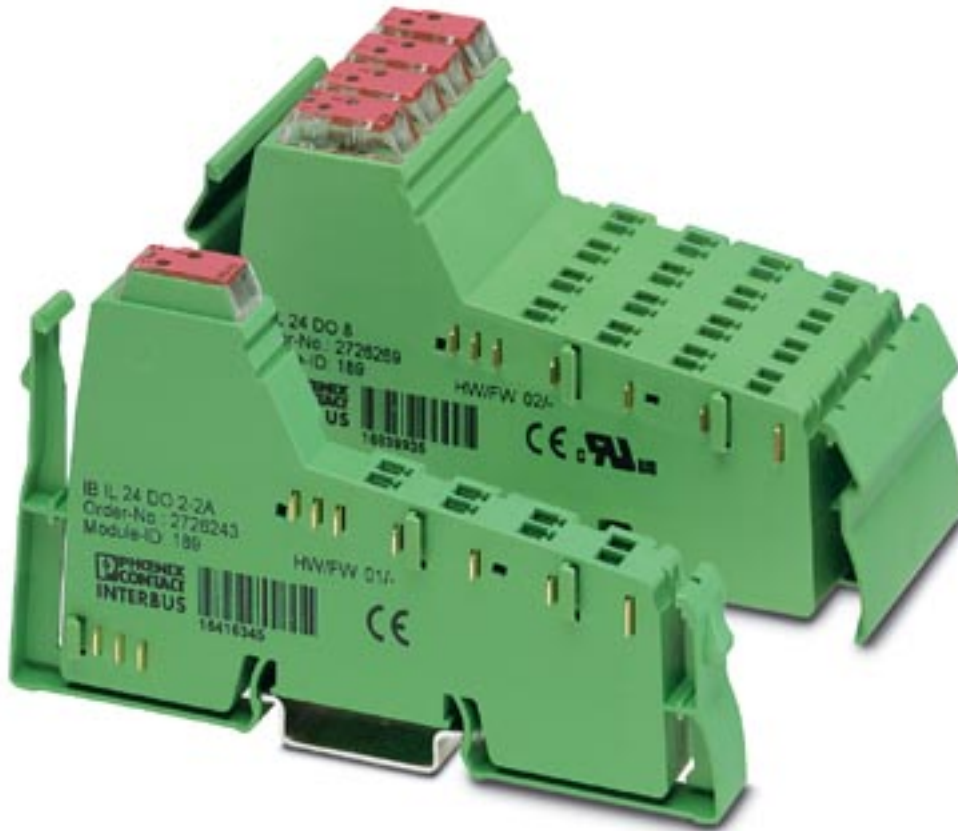


Figure may contain other products.