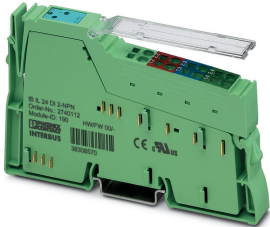


## Inline terminal - IB IL 24 DI 2-NPN - 2740112

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Inline digital input terminal, without accessories, 2 inputs with negative logic, 24 V DC, 2-, 3-, and 4-conductor connection technology

The figure shows product versions - PAC incl. plug and accessories.

### Product Description

The terminal is designed for use within an Inline station. It is used to output digital signals.

### Your advantages

- Connections for 2 digital sensors, npn-wired
- Connection of sensors in 2-, 3-, and 4-conductor technology
- Maximum permissible load current per sensor: 250 mA
- Diagnostic and status indicators



### Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	60.200 g
Custom tariff number	85389091
Country of origin	Germany

### Technical data

#### Dimensions

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

#### Ambient conditions

## Inline terminal - IB IL 24 DI 2-NPN - 2740112

### 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

#### Interfaces

Designation	Inline local bus
Connection method	Inline data jumper
Transmission speed	500 kbps

#### Digital inputs

Input name	Digital inputs
Description of the input	IEC 61131-2 type 1
Connection method	Spring-cage connection
Connection technology	2-, 3-, 4-conductor
Number of inputs	2
Typical response time	< 1 ms
Protective circuit	Short-circuit and overload protection
Input voltage	24 V DC (via voltage jumper)
Input voltage range "0" signal	-3 V DC ... 5 V DC
Input voltage range "1" signal	15 V DC ... 30 V DC

#### Standards and Regulations

Connection in acc. with standard	CUL
Protection class	III (IEC 61140, EN 61140, VDE 0140-1)

#### General

Mounting type	DIN rail
Net weight	45.89 g
Note on weight specifications	without plug

#### Inline potentials

Designation	Communications power ( $U_L$ )
Supply voltage	7.5 V DC (via voltage jumper)
Current consumption	max. 35 mA
Designation	Segment circuit supply ( $U_S$ )
Supply voltage	24 V DC (via voltage jumper)

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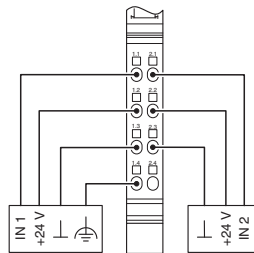
## Technical data

### Inline potentials

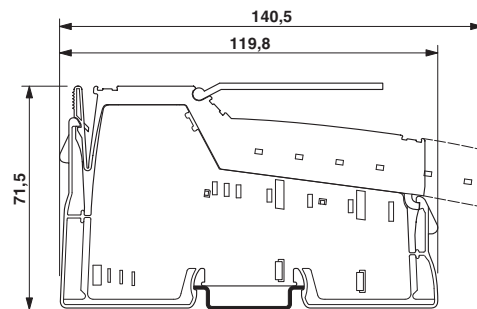
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Current consumption	max. 0.5 A

## Drawings

Connection diagram



Dimensional drawing



## 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

### ETIM

ETIM 2.0	EC001430
ETIM 3.0	EC001599
ETIM 4.0	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 DI 2-NPN - 2740112

### Accessories

#### Accessories

#### Labeling panel

Labeling field - IB IL FIELD 2 - 2727501

Labeling field, width: 12.2 mm



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### Plug

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



Inline connector, colored

Inline connector - IB IL SCN-8 - 2726337



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

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### Terminal marking

Insert strip - ESL 62X10 - 0809492



Insert strip, Sheet, white, unlabeled, can be labeled with: Office printing systems: Laser printer, mounting type: insert, lettering field size: 62 x 10 mm, Number of individual labels: 72