# Inline terminal - IB IL 24/230 DOR4/W-PAC - 2861878

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Inline, Relay terminal, Relay outputs: 4 (floating contacts), 24 V DC, 230 V AC, for switching ohmic loads, transmission speed in the local bus: 500 kbps, degree of protection: IP20, including Inline connectors and marking fields

## Product Description

The terminal is designed for use within an Inline station.
The terminal has four floating SPDT relay contacts.
The terminal can be used in the PELV area and in the AC area.
Observe the applicable regulations and safety notes when using the terminal in the AC area.
Features
- Safe isolation according to EN 50178
- Floating connection for four actuators
- Nominal current at the output: 3 A
- Total current of the terminal: 4x 3 A = 12 A
- Diagnostic and status indicators

## Your advantages

- Safe isolation
- Floating connections for 4 actuators
- Nominal current at the output: 3 A
- Total current of the terminal: 3 A
- Diagnostic and status indicators

## Key Commercial Data

| | |
|---|---|
| Packing unit | 1 pc |
| GTIN | 4 017918 894573 |
| GTIN | 4017918894573 |
| Weight per Piece (excluding packing) | 223.800 g |
| Custom tariff number | 85389099 |
| Country of origin | Germany |

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## 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

| | |
|---|---|
| Ambient temperature (operation) | -25 °C ... 55 °C |
| Ambient temperature (storage/transport) | -25 °C ... 85 °C |
| Permissible humidity (operation) | 0 % ... 85 % (in the range of -25°C ... +55°C, appropriate measures against increased humidity (> 85%) must be taken.) |
| Permissible humidity (storage/transport) | 0 % ... 85 % (slight temporary condensation may sometimes appear on the housing) |
| 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

| | |
|---|---|
| Mounting type | DIN rail |
| Color | gray |
| Net weight | 138 g |
| Note on weight specifications | without plug |

### Interfaces

| | |
|---|---|
| Designation | Inline local bus |
| Number | 2 |
| Connection method | Inline data jumper |
| Transmission speed | 500 kbps |

### Inline potentials

| | |
|---|---|
| Designation | Communications power ($U_L$) |
| Supply voltage | 7.5 V DC (via voltage jumper) |
| Current consumption | max. 187 mA |

### Relay outputs

| | |
|---|---|
| Output name | Relay outputs |
| Output description | SPDT relay contact |
| Design of digital output | Relay |

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## Technical data

### Relay outputs

| | |
|---|---|
| Number of outputs | 4 (floating contacts) |
| Connection method | Spring-cage connection |
| Output current | max. 3 A (per channel) |
| | max. 12 A (per module) |
| Nominal output voltage | 24 V DC |
| | 230 V AC |
| Output voltage range | 5 V AC ... 253 V AC |
| Switching voltage | min. 5 V DC |
| | max. 250 V DC |

### Electrical isolation

| | |
|---|---|
| Test section | Relay contact / Bus logics 4 kV 50 Hz 1 min. |
| | Contact/contact 1 kV 50 Hz 1 min. |
| | Contact / PE 1 kV 50 Hz 1 min. |

### Standards and Regulations

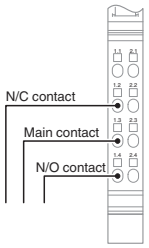
| | |
|---|---|
| Connection in acc. with standard | CUL |
| Protection class | I (МЭК 61140, EN 61140, VDE 0140-1) |

### Environmental Product Compliance

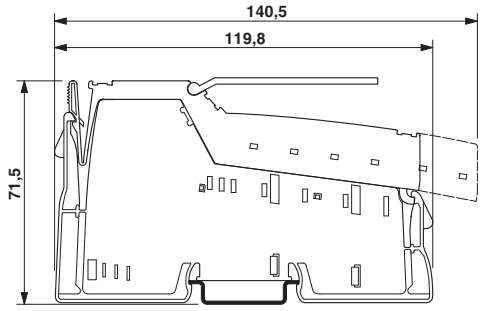
| | |
|---|---|
| China RoHS | Environmentally Friendly Use Period = 50 years |
| | For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration” |

## Drawings

Connection diagram




Dimensional drawing



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## Classifications

### eCl@ss

| | |
|---|---|
| eCl@ss 10.0.1 | 27242604 |
| eCl@ss 11.0 | 27242604 |
| eCl@ss 4.0 | 27250300 |
| eCl@ss 4.1 | 27250300 |
| eCl@ss 5.0 | 27250300 |
| eCl@ss 5.1 | 27242600 |
| eCl@ss 6.0 | 27242600 |
| eCl@ss 7.0 | 27242604 |
| eCl@ss 8.0 | 27242604 |
| eCl@ss 9.0 | 27242604 |

### ETIM

| | |
|---|---|
| ETIM 2.0 | EC001430 |
| ETIM 3.0 | EC001599 |
| ETIM 4.0 | EC001599 |
| ETIM 5.0 | EC001599 |
| ETIM 6.0 | EC001599 |
| ETIM 7.0 | EC001599 |

### UNSPSC

| | |
|---|---|
| UNSPSC 6.01 | 43172015 |
| UNSPSC 7.0901 | 43201404 |
| UNSPSC 11 | 43172015 |
| UNSPSC 12.01 | 43201404 |
| UNSPSC 13.2 | 32151602 |
| UNSPSC 18.0 | 32151602 |
| UNSPSC 19.0 | 32151602 |
| UNSPSC 20.0 | 32151602 |
| UNSPSC 21.0 | 32151602 |

## Approvals

### Approvals

Approvals

DNV GL / BSH / BV / LR / ABS / BSH / RINA / UL Recognized / EAC

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## Approvals

Ex Approvals

### Approval details

| | | |
|---|---|---|
| DNV GL | https://approvalfinder.dnvgl.com/ | TAA00000BN |
| BSH | | Anwenderhinweis |
| BV | http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials | 21725/B0 BV |
| LR | http://www.lr.org/en | 08/20033 |
| ABS | http://www.eagle.org/eagleExternalPortalWEB/ | 17-HG1621871-PDA |
| BSH | | 658 |
| RINA | http://www.rina.org/en | ELE001320XG |
| UL Recognized | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 140324 |
| EAC | | EAC-Zulassung |

## Accessories

### Accessories

Connector set

# Inline terminal - IB IL 24/230 DOR4/W-PAC - 2861878

## Accessories

Connector set - IB IL DOR LV-PLSET - 2742667



Connector set for distance terminal

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### Distance terminal

Inline terminal - IB IL DOR LV-SET - 2742641



Inline distance terminal, without accessories

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Inline terminal - IB IL DOR LV-SET-PAC - 2861645



Inline distance terminal, complete with accessories

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Inline terminal - IB IL DOR LV-SET - 2742641



Inline distance terminal, without accessories

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### Labeling panel

Labeling field - IB IL FIELD 2 - 2727501

Labeling field, width: 12.2 mm



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## Accessories

Labeling field - IB IL FIELD 8 - 2727515



Labeling field, width: 48.8 mm

### Plug

Inline connector - IB IL SCN-8-AC-REL - 2740290



Plug, for digital 1, 2 or 8-channel Inline terminals with AC voltage

### 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

Insert strip - ESL 62X46 - 0809502



Insert strip, Sheet, white, unlabeled, can be labeled with: Office printing systems: Laser printer, mounting type: insert, lettering field size: 62 x 46 mm, Number of individual labels: 120

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