

Inline terminal - IB IL 24 PWR IN/R-PAC - 2861674

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Inline power terminal or boost terminal, complete with accessories (connector and labeling field), 24 V DC, without fuse

Product description

The terminal is designed for use within an Inline station. When the maximum current carrying capacity of the voltage jumper U_L has been reached, this terminal can be used to supply the logics voltage again. A 24 V DC voltage (U_{24V}) is applied to the terminal. This provides the logics voltage (U_L) and the supply voltage for the analog terminals (U_{ANA}). The terminal also allows the 24 V DC main voltage (U_M) and the 24 V DC segment voltage (U_S) to be supplied.

Features

- All 24 V DC voltages necessary for the low-level signal level of an Inline station can be supplied
- Diagnostics displays

Product Features

- Supply of all 24 V voltages required for the low-level signal of an Inline station
- Diagnostic and status indicators
- From hardware version 01, approved for use in potentially explosive areas of zone 2



Key commercial data

| | |
|--------------------------------------|-----------|
| Packing unit | 1 pc |
| Weight per Piece (excluding packing) | 229.3 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 |

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Technical data

Dimensions

| | |
|-------|---------|
| Depth | 71.5 mm |
|-------|---------|

Interfaces

| | |
|-------------------|--------------------|
| Connection method | Inline data jumper |
| Interface | Inline local bus |

Power supply

| | |
|--------------------------|---|
| I/O voltage | 24 V DC |
| I/O voltage range | 19.2 V DC ... 30 V DC (including all tolerances, including ripple) |
| Max. current consumption | 8 A |
| Fuse | electrical/thermal overload protection, included in scope of delivery |

General

| | |
|------------------------------|---|
| Type of protection | Surge protection (segment supply, main supply, 24 V supply) |
| Protective circuit/component | Input protective diodes (can be destroyed by permanent overload) Pulse loads up to 1500 W are short circuited by the input protective diode. |
| Weight | 192 g |
| Number of connectors | 4 |

Inline potentials

| | |
|--------------------------------|--|
| Communications power U_L | 7.5 V DC \pm 5 % (via voltage jumper) |
| Power supply at U_L | max. 2 A DC |
| Main circuit supply U_M | 24 V DC |
| Supply voltage range U_M | 19.2 V DC ... 30 V DC (including all tolerances, including ripple) |
| Power supply at U_M | max. 8 A (Sum of $U_M + U_S$; 4 A, maximum, when used in potentially explosive areas.) |
| Segment supply voltage U_S | 24 V DC |
| Supply voltage range U_S | 19.2 V DC ... 30 V DC (including all tolerances, including ripple) |
| Power supply at U_S | max. 8 A DC (Sum of $U_M + U_S$; 4 A, maximum, when used in potentially explosive areas.) |
| I/O supply voltage U_{ANA} | 24 V DC |
| Supply voltage range U_{ANA} | 19.2 V DC ... 30 V DC (including all tolerances, including ripple) |
| Power supply at U_{ANA} | max. 0.5 A DC |
| Power consumption | max. 2.55 W (entire device) |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27250308 |
| eCl@ss 4.1 | 27250304 |

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Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 5.0 | 27250304 |
| eCl@ss 5.1 | 27242610 |
| eCl@ss 6.0 | 27242610 |
| eCl@ss 7.0 | 27242610 |
| eCl@ss 8.0 | 27242610 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC001433 |
| ETIM 3.0 | EC001600 |
| ETIM 4.0 | EC001600 |
| ETIM 5.0 | EC001600 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 43172015 |
| UNSPSC 7.0901 | 43201404 |
| UNSPSC 11 | 43172015 |
| UNSPSC 12.01 | 43201404 |
| UNSPSC 13.2 | 43201404 |

Approvals

Approvals

Approvals

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

Ex Approvals


Approvals submitted

Approval details



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Approvals

cUL Recognized 

GOST 

LR

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GL

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cULus Recognized  US

GL

Accessories

Accessories

Connector set

Connector set - IB IL PWR IN/R-PLSET - 2860620



Connector set, for power terminal block, copper, colored identification.

Labeling panel

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Accessories

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



Terminal marking

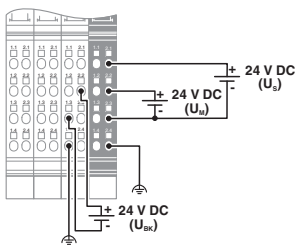
Insert strip - ESL 62X10 - 0809492

Insert strip, Sheet, white, unlabeled, can be labeled with: Office printing systems, Plotter: Laser printer, Mounting type: Insert, Lettering field: 62 x 10 mm

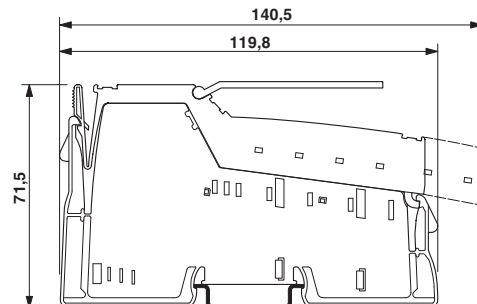


Drawings

Connection diagram



Dimensioned drawing



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Catalog photo

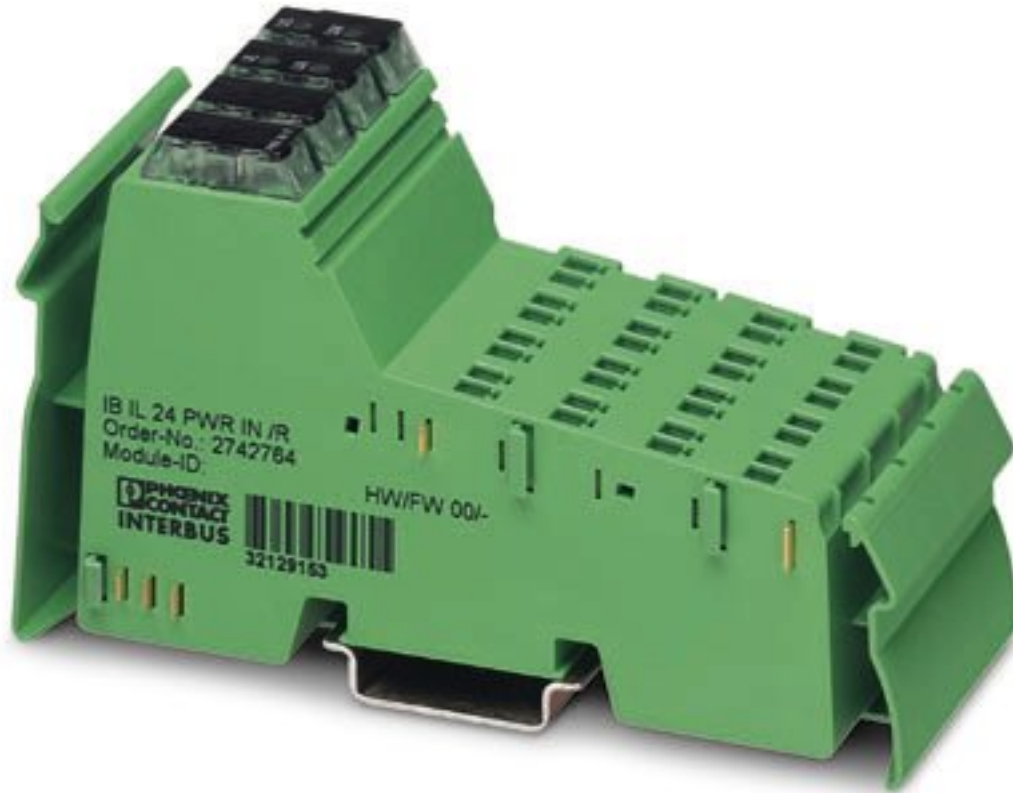


Figure may contain other products.