

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

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Inline power terminal or boost terminal, complete with accessories (plug 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

package_quantity	1
GTIN	4017918894511

## 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	119.8 mm
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

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## Technical data

### Power supply

<b>Fuse</b>	(electrical/thermal overload protection, included in scope of delivery)
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### General

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

### Inline potentials

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

## classifications

### eCl@ss

<b>eCl@ss 4.0</b>	27250308
<b>eCl@ss 4.1</b>	27250304
<b>eCl@ss 5.0</b>	27250304
<b>eCl@ss 5.1</b>	27242610
<b>eCl@ss 6.0</b>	27242610
<b>eCl@ss 7.0</b>	27242610
<b>eCl@ss 8.0</b>	27242610

### ETIM

<b>ETIM 2.0</b>	EC001433
<b>ETIM 3.0</b>	EC001600
<b>ETIM 4.0</b>	EC001600
<b>ETIM 5.0</b>	EC001600

### UNSPSC

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

## classifications

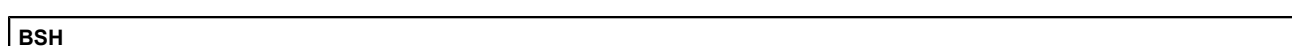
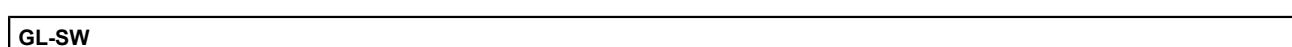
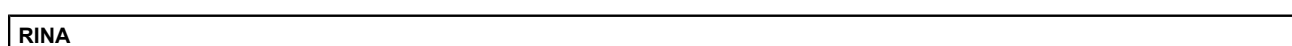
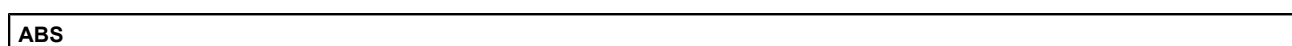
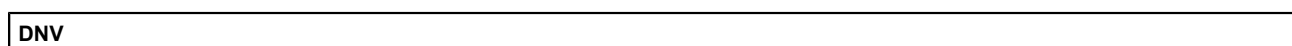
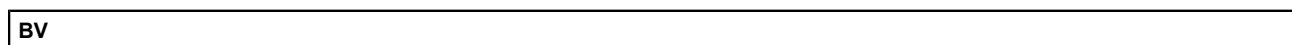
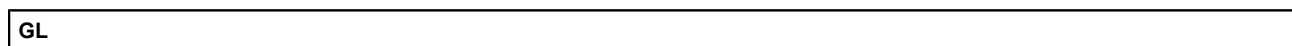
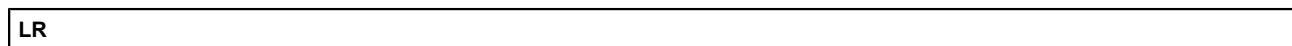
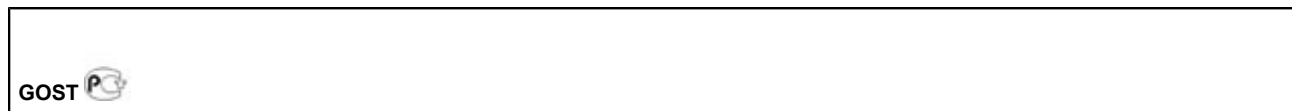
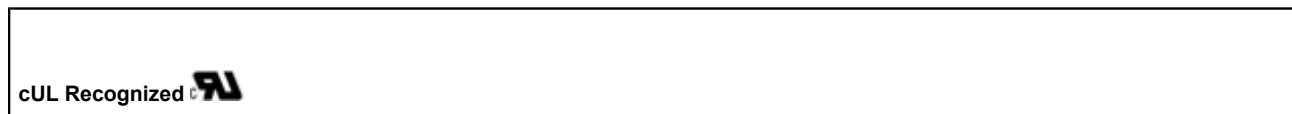
### UNSPSC

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

## approvals

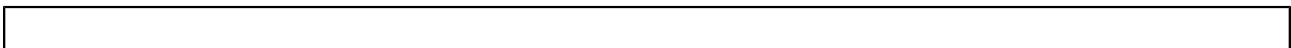
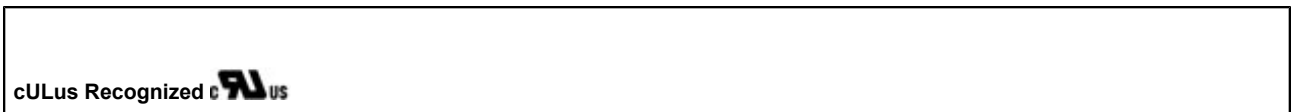
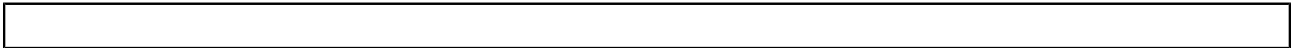
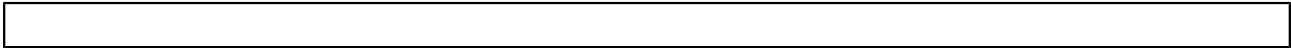
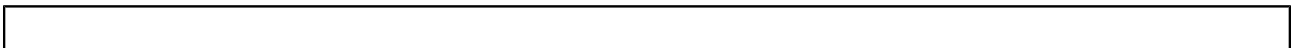
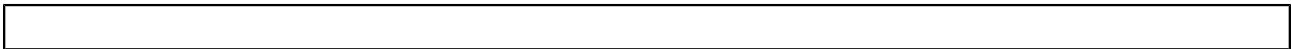
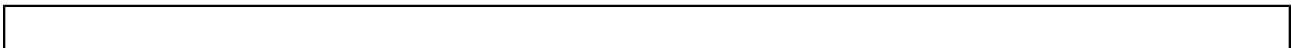
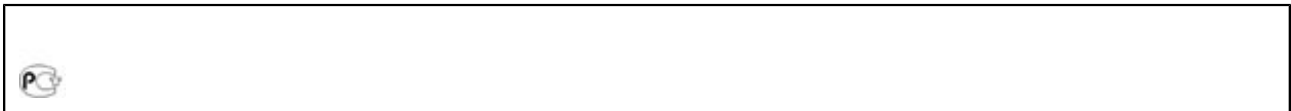
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### Approval details



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

approvals



accessories

**Connector set**

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

## accessories

IB IL PWR IN/R-PLSET - 2860620



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## Labeling panel

IB IL FIELD 2 - 2727501



IB IL FIELD 8 - 2727515



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## Terminal marking

ESL 62X10 - 0809492

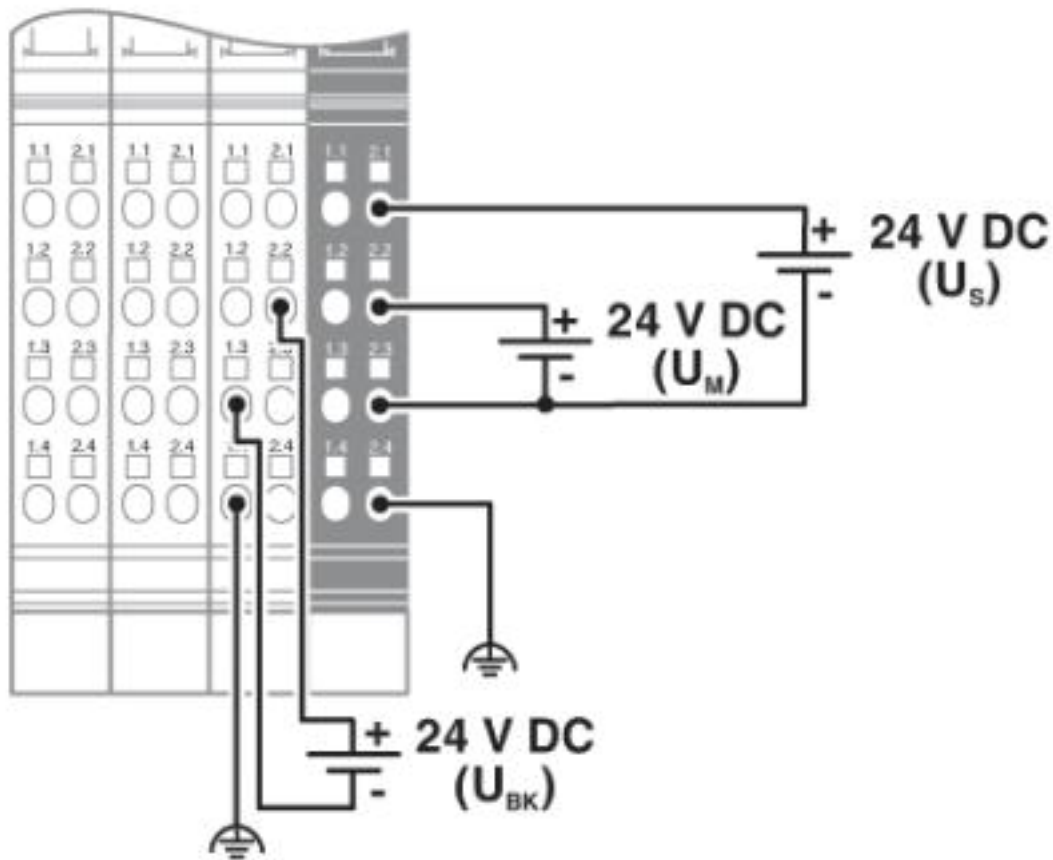


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## Drawings

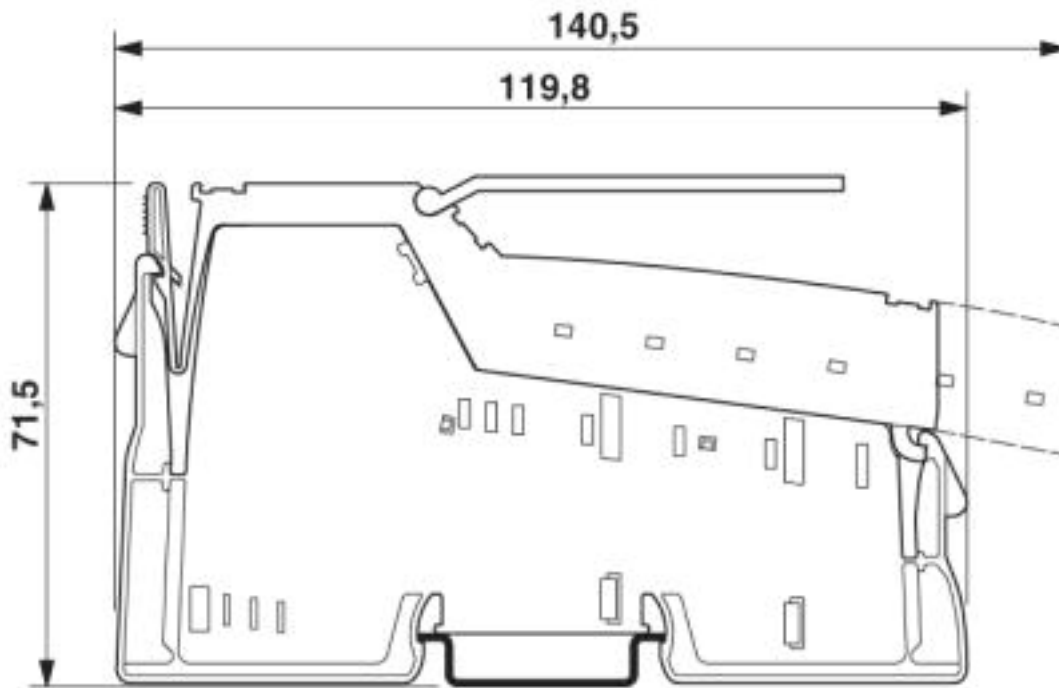
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Connection diagram



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

Dimensioned drawing



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