

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.

If the maximum load of the bus coupler for the communications power (U_L) or the supply voltage for the analog terminals (U_{ANA}) is reached, this terminal can be used to provide these voltages again.

To do this, apply a 24 V DC voltage (U_{24V}) to the terminal. The communications power (U_L) and the supply voltage for the analog terminals (U_{ANA}) are generated from this voltage.

In addition, the terminal enables the feed-in of the 24 V DC main voltage (U_M) and the 24 V DC segment voltage (U_S).

Your advantages

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



Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 894511
GTIN	4017918894511
Weight per Piece (excluding packing)	229.300 g
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
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Technical data

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
Fuse	electrical/thermal overload protection, included in scope of delivery

General

Type of protection	Surge protection (segment supply, main supply, 24 V supply)
	Protection against polarity reversal (segment supply/main supply)
	Polarity reversal (24 V supply)
Weight	192 g
Number of plugs	4

Inline potentials

Designation	24 V supply (U_{24V}) for generating U_L and U_{ANA}
Supply voltage	24 V DC (via Inline connector)
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Current consumption	min. 12 mA DC (at nominal voltage)
	max. 1.25 A DC (at nominal voltage; consisting of: 0.75 A DC for the communications power and 0.5 A DC for the analog voltage supply)
Designation	Communications power (U_L)
Supply voltage	7.5 V DC (via voltage jumper)
Power supply unit	max. 2 A DC
Designation	Supply of analog modules (U_{ANA})
Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Power supply unit	max. 0.5 A DC
Designation	Main circuit supply (U_M)
Supply voltage	24 V DC (via Inline connector)
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Power supply unit	max. 8 A (Sum of $U_M + U_S$; 4 A, maximum, when used in potentially explosive areas.)

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Technical data

Inline potentials

Designation	Segment circuit supply (U_S)
Supply voltage	24 V DC (via Inline connector)
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Power supply unit	max. 8 A DC (Sum of $U_M + U_S$; 4 A, maximum, when used in potentially explosive areas.)
Power consumption	max. 2.55 W (entire device)

Standards and Regulations

Connection in acc. with standard	CUL
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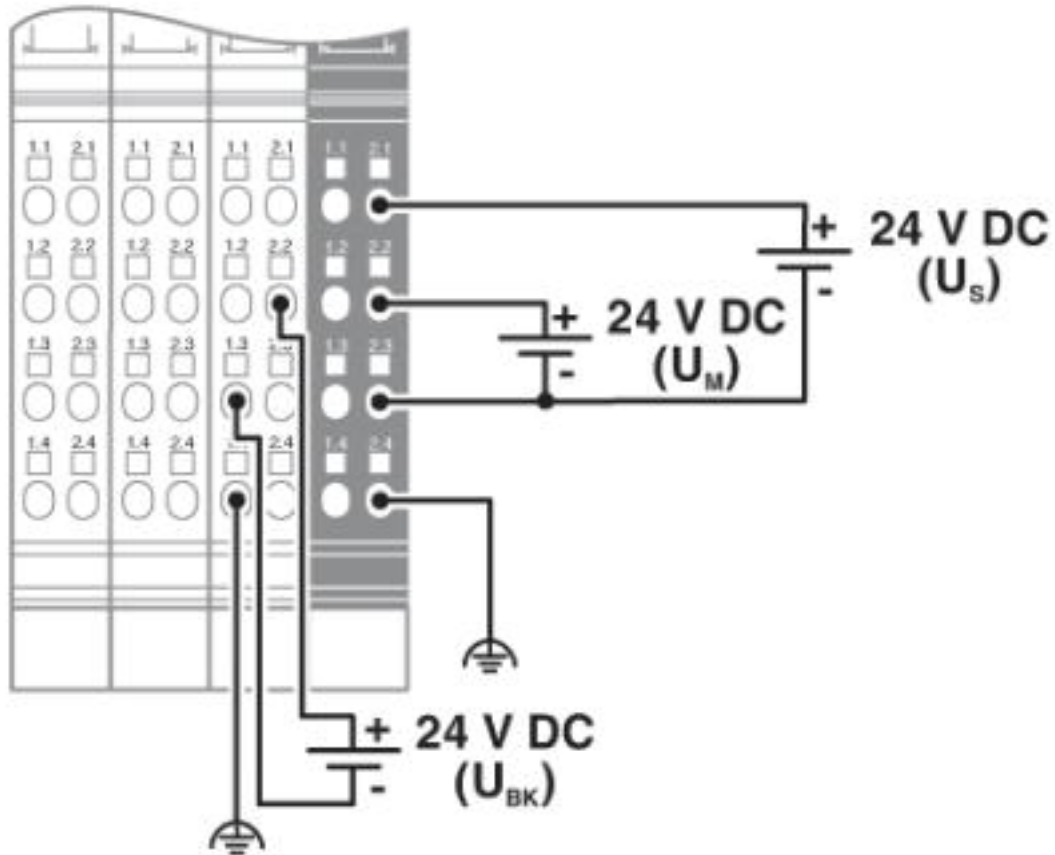
Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

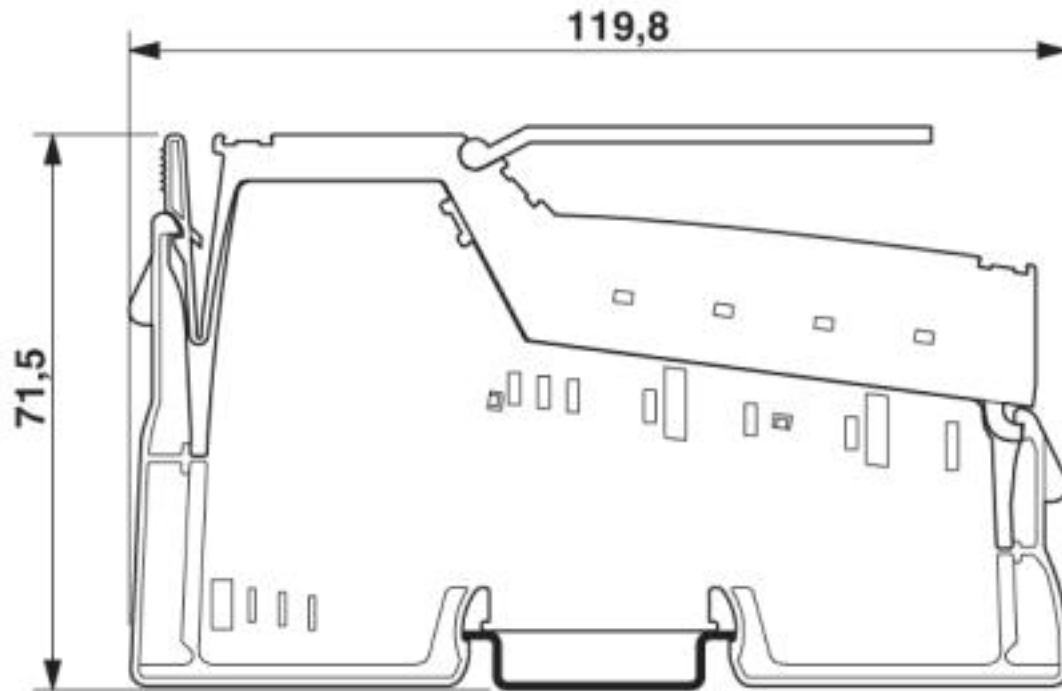
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Connection diagram



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Dimensional drawing



Classifications

eCl@ss

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	27242610
eCl@ss 8.0	27242610
eCl@ss 9.0	27242610

ETIM

ETIM 2.0	EC001433
ETIM 3.0	EC001600
ETIM 4.0	EC001600
ETIM 5.0	EC001600
ETIM 6.0	EC001600
ETIM 7.0	EC001600

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Classifications

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	32151602

Approvals

Approvals

Approvals

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

Ex Approvals

ATEX

Approval details

DNV GL		https://approvalfinder.dnvgl.com/	TAA00000BN
BV		http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials	21725/B0 BV
LR		http://www.lr.org/en	09/20016
ABS		http://www.eagle.org/eagleExternalPortalWEB/	17-HG1621871-PDA
BSH		http://www.bsh.de/de/index.jsp	Anwenderhinweis
RINA		http://www.rina.org/en	ELE183315XG

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Approvals

UL Recognized



<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

FILE E 140324

EAC



EAC-Zulassung

Accessories

Accessories

Connector set

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



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

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



Terminal marking

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Accessories

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