

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

Why buy this product

- 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
GTIN	 4 017918 894511
Weight per Piece (excluding packing)	202.0 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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Dimensions

Width	48.8 mm
Height	119.8 mm
Depth	71.5 mm

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Technical data

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
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

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Classifications

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

UL Recognized

cUL Recognized

GOST

LR

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Approvals

GL

BV

DNV

ABS


RINA

GL-SW

BSH

UL Recognized 

cUL Recognized 

GOST 

LR

GL

BV

DNV

ABS


RINA

GL-SW

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Approvals

BSH

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

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

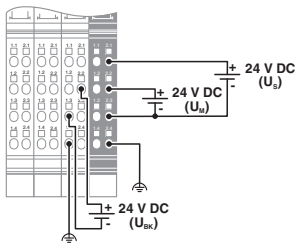
Insert strip - ESL 62X10 - 0809492

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



Drawings

Connection diagram



Dimensioned drawing

