IB IL 24 PWR IN/R/L-0.8A-PAC - Feed-in module

2693020

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Inline boost terminal for the communications power U_L of 0.8 A, complete with accessories (connectors and labeling field)

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) is reached, this terminal can be used to provide this voltage again. To do this, apply a 24 V DC voltage (U_{24V}) to the terminal. The communications power (U_L) is generated from this voltage.

Your advantages

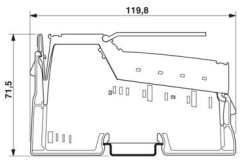
- Supply of the 24 V voltage for generating the communications power (UL) up to 0.8 A

Commercial data

Item number	2693020
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DR01
Product key	DRI123
GTIN	4046356447416
Weight per piece (including packing)	80.2 g
Weight per piece (excluding packing)	65 g
Customs tariff number	85389099
Country of origin	DE

Technical data

Dimensions

Dimensional drawing	
Width	12.2 mm
Height	119.8 mm
Depth	71.5 mm

Notes

Note on application

Note on application	Only for industrial use

Utilization restriction

CCCex note	Use in potentially explosive areas is not permitted in China.

Mounting

Mounting type	DIN rail mounting

Material specifications

Color (Housing)	green (RAL 6021)

Interfaces

Inline local bus

Number of interfaces	2
Connection method	Inline data jumper
Transmission speed	500 kbps / 2 Mbps (Can be used in Inline stations with these transmission speeds)

System properties

Programming data

ID code (dec.)	none
Register length (bus)	0 Byte

Fieldbus data telegram (PROFIBUS)

Required parameter data	0 Byte
Required configuration data	0 Byte

Product properties

Product type	I/O component
Product family	Inline
Type	modular
Installation location	Control cabinet
Number of plugs	1
Special properties	24 V DC
	Boost U_L (0.8 A)

Insulation characteristics

Protection class	III (IEC 61140, EN 61140, VDE 0140-1)
Overvoltage category	II (IEC 60664-1, EN 60664-1)
Pollution degree	2 (IEC 60664-1, EN 60664-1)

Electrical properties

Maximum power dissipation for nominal condition	0.6 W
Test section	7.5 V communications power, 24 V analog supply/functional ground 500 V AC 50 Hz 1 min
	7.5 V logics supply, 24 V analog supply / 24 V main supply, 24 V segment supply 500 V AC 50 Hz 1 min
	24 V main supply, 24 V segment supply/functional ground 500 V AC 50 Hz 1 min
Protective circuit	Surge protection; Input protective diodes (can be destroyed by permanent overload)Pulse loads up to 1500 W are short circuited by the input protective diode.
	Protection against polarity reversal (segment supply/main supply); Serial diode in the lead path of the power supply unit; in the event of an error only a low current flows. In the event of an error, no fuse trips within the external power supply unit.
Fuse	electrical/thermal overload protection, included in scope of delivery

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	274 mA (at nominal voltage)

Potentials: 24 V supply (U_{24V}) for generating U_L

Supply voltage	24 V DC (via Inline connector)
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Current draw	max. 274 mA DC (at nominal voltage)
	min. 13 mA DC (at nominal voltage)

Potentials: Communications power (U_L)

Supply voltage	7.5 V DC (via voltage jumper)
Power supply	max. 0.8 A DC

Connection data

Connection technology

Connection name	Inline connector

Inline connector

Connection method	Spring-cage connection
Conductor cross-section, rigid	0.08 mm² ... 1.5 mm²
Conductor cross-section, flexible	0.08 mm² ... 1.5 mm²
Conductor cross-section AWG	28 ... 16
Stripping length	8 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	10 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	10 % ... 95 % (non-condensing)
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)

Mechanical test

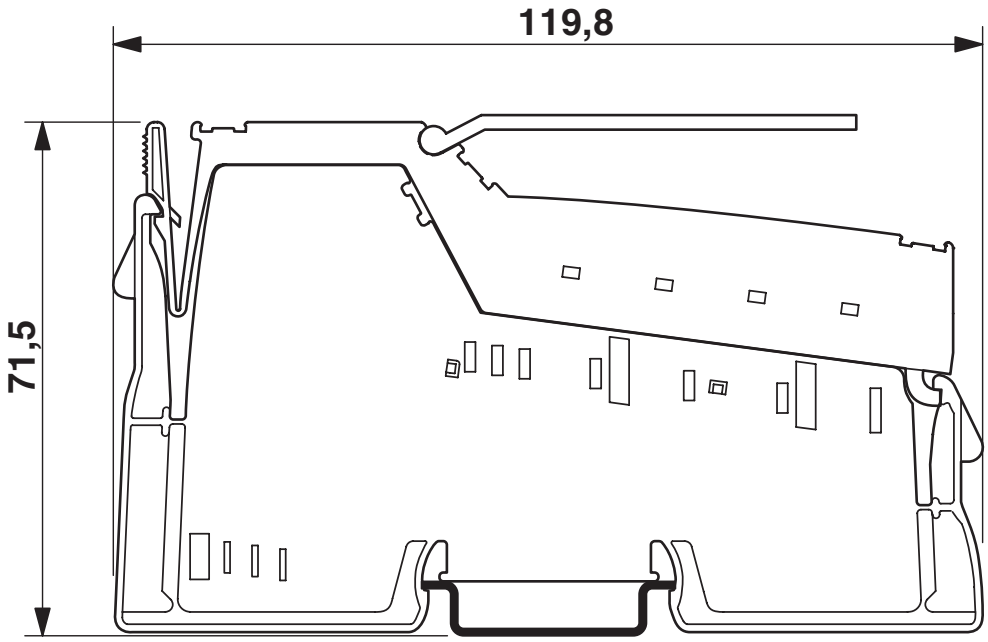
Vibration resistance in accordance with EN 60068-2-6/IEC 60068-2-6	5g
Shock in accordance with EN 60068-2-27/IEC 60068-2-27	25g

Standards and regulations

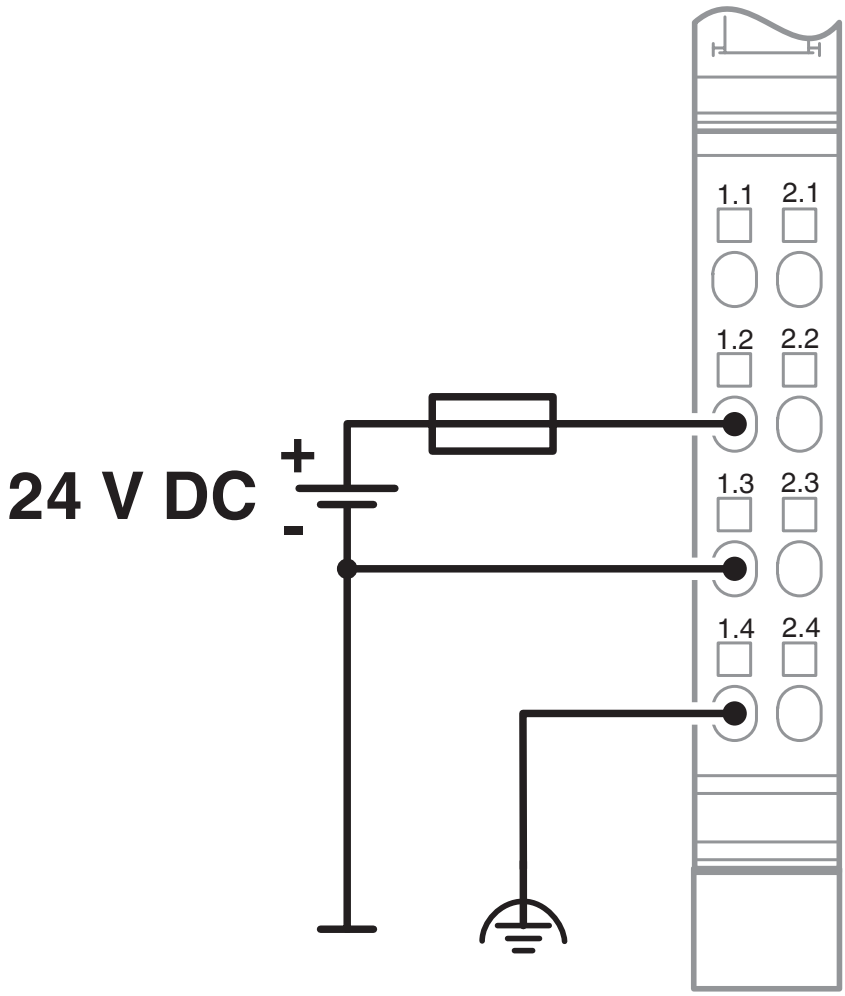
Protection class	III (IEC 61140, EN 61140, VDE 0140-1)

Drawings

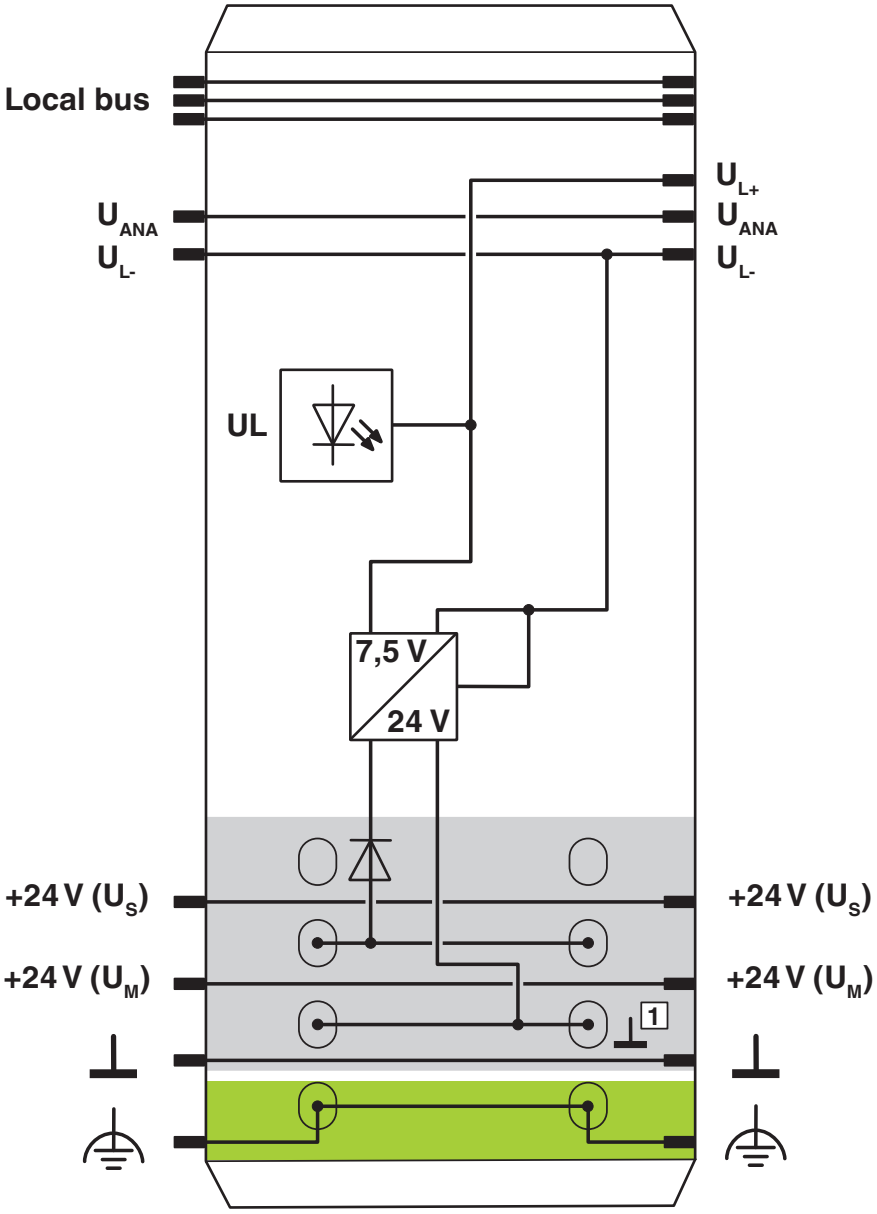
Dimensional drawing



Connection diagram



Block diagram



Internal wiring of the terminal points

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2693020

BSH
Approval ID: 658a

RINA
Approval ID: ELE121121XG

ABS
Approval ID: 22-2226444-PDA

DNV
Approval ID: TAA00002CU

cULus Listed
Approval ID: E140324

BV
Approval ID: 20989_C1 BV

Classifications

ECLASS

ECLASS-13.0	27242610
ECLASS-15.0	27242610

ETIM

ETIM 10.0	EC001600

UNSPSC

UNSPSC 21.0	32151600

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	3a8eadf2-83e4-4193-b45e-0c2161d6c17a

EF3.1 Climate Change

CO2e kg	2.061 kg CO2e

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