

IB IL EX-IS PWR IN-PAC - Modular power terminal



2869910

<https://www.phoenixcontact.com/us/products/2869910>

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Inline power terminal for power supply to intrinsically safe I/O terminals



Your advantages

- Diagnostic LEDs (standard load, high load, overload) provide direct feedback regarding the capacity
- Electronic overload protection
- 1000 mA for logic supply circuit (UL)
- 1000 mA for I/O supply (UEX)
- The design requires a gap of 50 mm between intrinsically safe and non-intrinsically safe connections
- Electrical isolation between Inline I/O station and intrinsically safe I/O termination devices

Commercial data

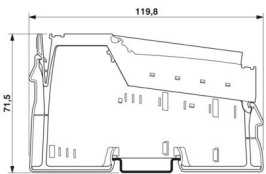
Item number	2869910
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DR01
Product key	DRI1E1
GTIN	4046356470193
Weight per piece (including packing)	427.6 g
Weight per piece (excluding packing)	292 g
Customs tariff number	85389099
Country of origin	US

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Technical data

Dimensions

Dimensional drawing	
Width	48.8 mm
Height	119.9 mm
Depth	70.4 mm

Notes

Utilization restriction

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

Color	blue
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Interfaces

Inline local bus

Connection method	Inline data jumper
Transmission speed	500 kbps

Product properties

Product type	I/O component
Product family	Inline
Type	modular
	Inline

Electrical properties

Potentials

Power consumption	max. 8 W
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Potentials: Voltage supply for IB IL EX-IS...IO... modules U_V

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. 1.5 A
	max. 2 A

Potentials: Communications power (U_L)

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Supply voltage	5 V DC (via voltage jumper)
Power supply	1 A (max.)

Potentials: U_{EX} supply to I/O terminals

Supply voltage	28 V DC ±5 %
Power supply	max. 1 A

Connection data

Connection technology

Connection name	Inline connector
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Inline connector

Connection method	Spring-cage connection
Conductor cross-section, rigid	0.08 mm ² ... 1.5 mm ²
Conductor cross-section, flexible	0.08 mm ² ... 1.5 mm ²
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 ... 60 °C
Degree of protection	IP20
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Permissible humidity (operation)	10 % ... 95 % (according to DIN EN 61131-2)

Standards and regulations

Protection class	III (VDE 0106, IEC 60536)
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Approvals

Ex data

ATEX	⊕ II 3G Ex ec IIC T4 Gc Sira 10ATEX2130X
IECEX	Ex ec IIC T4 Gc IECEX SIR 10.0085X
UL, USA / Canada	Class I, Div. 2, Groups A, B, C, D, T4

Mounting

Mounting type	DIN rail mounting
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Ex data

Safety data

Safety-related maximum voltage U _m	253 V
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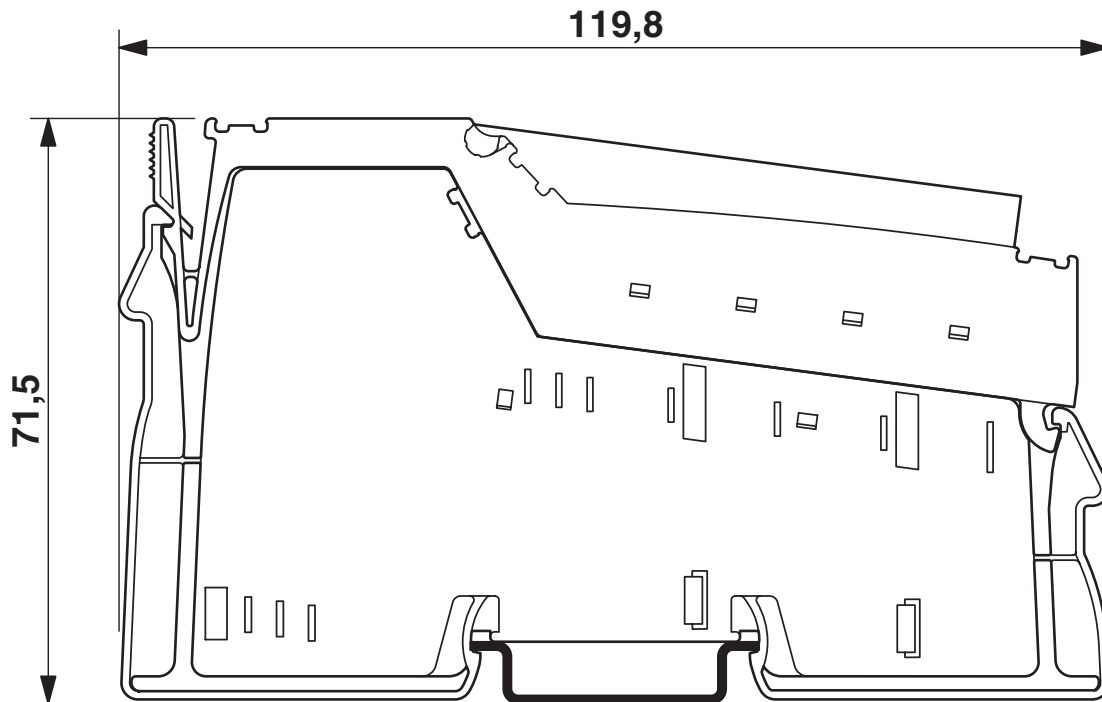


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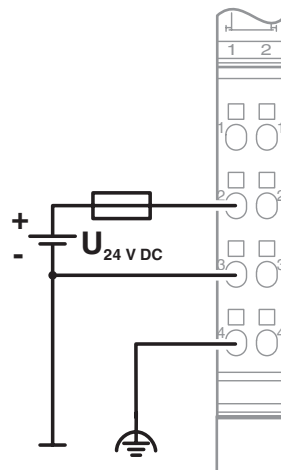
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Drawings

Dimensional drawing



Connection diagram



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Approvals

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ATEX

Approval ID: Sira 10ATEX2130X

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Classifications

ECLASS

ECLASS-13.0

27242610

ETIM

ETIM 9.0

EC001600

UNSPSC

UNSPSC 21.0

32151600

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Environmental product compliance

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com