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

2869910

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

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

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

Your advantages

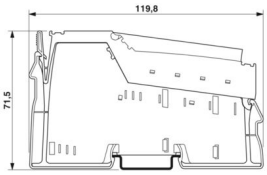
- Diagnostic LEDs (standard load, high load, overload) provide direct feedback regarding the capacity
- Electronic overload protection
- 1000 mA for logic supply circuit (UL)
- 1000 mA for I/O supply (UEX)
- The design requires a gap of 50 mm between intrinsically safe and non-intrinsically safe connections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

Commercial data

Item number	2869910
Packing unit	1 pc
Sales key	DR01
Product key	DRI1E1
Catalog page	Page 144 (C-6-2019)
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

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.

Material specifications

Color	blue

Interfaces

Inline local bus

Connection method	Inline data jumper
Transmission speed	500 kbps

Product properties

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

Electrical properties

Potentials

Power consumption	max. 8 W

Potentials:

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)

Supply voltage	5 V DC (via voltage jumper)

Potentials:

Supply voltage	28 V DC ±5 %

Connection data

Connection technology

Connection name	Inline connector

Conductor connection

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

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 ... 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)

Approvals

Ex data

ATEX	Ⓔx 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

Ex data

Safety data

Safety-related maximum voltage U_m	253 V

Classifications

ECLASS

ECLASS-11.0	27242610

ETIM

ETIM 8.0	EC001600

UNSPSC

UNSPSC 21.0	32151600

Environmental product compliance

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

Phoenix Contact 2024 © - all rights reserved
https://www.phoenixcontact.com

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com