IB IL 24 SEG/F-PAC - Segmentation module

2861373

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Inline segment terminal, complete with accessories (connector and labeling field), 24 V DC, with fuse

Product description

The terminal is designed for use within an Inline station. This terminal can be used to create a protected partial circuit (segment circuit) within a main circuit. The internal fuse protects the segment circuit. The terminal is not used for voltage supply. It therefore does not have any elements for protection against polarity reversal and surge voltage.

Your advantages

- Automatic creation of a segment circuit in the main circuit
- Segment circuit protected by an internal fuse

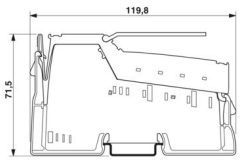
ELEKTROGERÄTE RÜCKNAHME

Commercial data

Item number	2861373
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DR01
Product key	DRI122
GTIN	4017918894313
Weight per piece (including packing)	75.2 g
Weight per piece (excluding packing)	59 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

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

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

Test section	5 V supply, incoming remote bus/7.5 V supply (bus logics) 500 V AC 50 Hz 1 min
	5 V supply, outgoing remote bus/7.5 V supply (bus logics) 500 V AC 50 Hz 1 min
	7.5 V supply (bus logics)/24 V supply (I/O) 500 V AC 50 Hz 1 min
	24 V supply (I/O) / functional ground 500 V AC 50 Hz 1 min
Protective circuit	Overload protection; Fuse
Fuse	SI 5 x 20 6, 300 AT (in scope of delivery)

Supply

I/O voltage	24 V DC
I/O voltage range	19.2 V DC ... 30 V DC
Residual ripple	± 1.2 V
Max. current consumption	6 A

Potentials: Main circuit supply (U_M)

Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Current draw	max. 8 A (nominal value)
	typ. 6 A (The terminal is supplied with a 6.3 A slow-blow fuse. In the event of an increased total current in the potential jumpers U_M and U_S, the circuit must be protected through the use of higher rated fuses (max. 8 A, slow-blow).)

Potentials: Segment circuit supply (U_S)

Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Power supply	max. 6 A (nominal value)

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

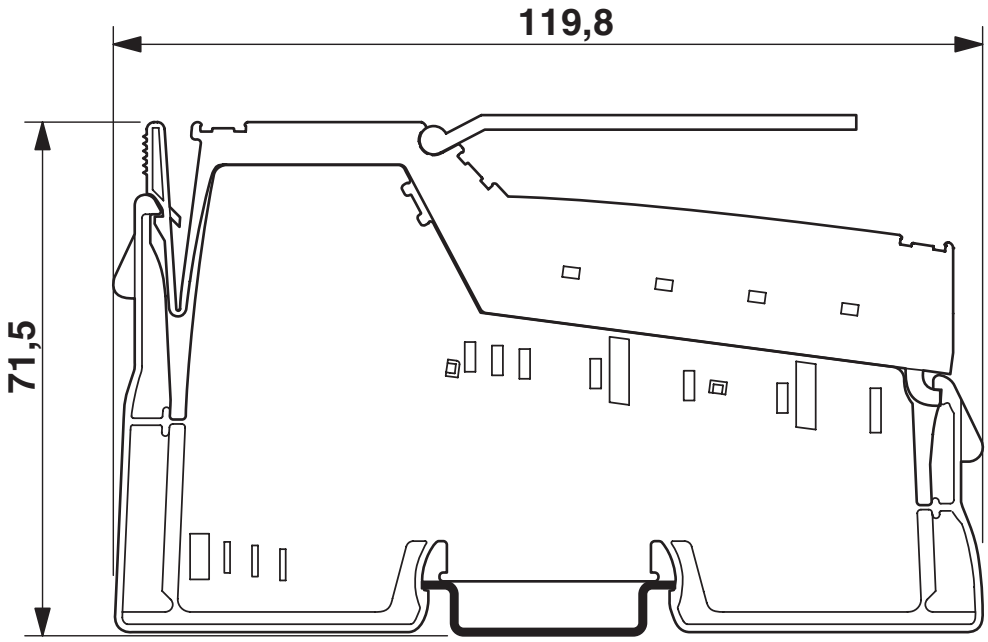
Vibration resistance in accordance with EN 60068-2-6/IEC 60068-2-6	5g
Shock in accordance with EN 60068-2-27/IEC 60068-2-27	25g

Standards and regulations

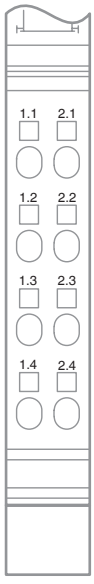
Protection class	III (IEC 61140, EN 61140, VDE 0140-1)

Drawings

Dimensional drawing

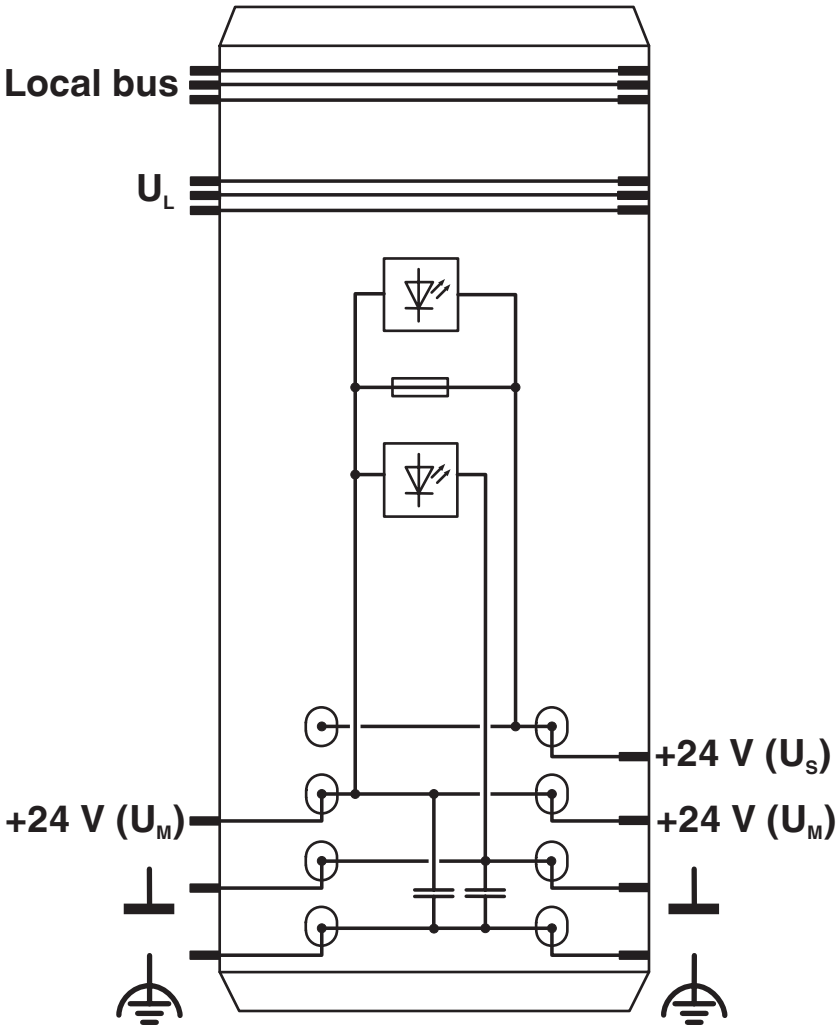


Connection diagram



U_M and $U_S$connected internally via fuse

Block diagram



Approvals

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BV
Approval ID: 21725/C1 BV

BSH
Approval ID: 658a

RINA
Approval ID: ELE121121XG

ABS
Approval ID: 22-2226444-PDA

cULus Recognized
Approval ID: E140324

cULus Listed
Approval ID: E199827

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	ea30fd33-8312-4f5d-81fa-99c21bfc0b85

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https://www.phoenixcontact.com

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