IB IL 24 SEG-ELF-PAC - Segmentation module

2861409

https://www.phoenixcontact.com/us/products/2861409

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

Product description

The terminal is designed for use within an Inline station. This terminal can be used to create a partial circuit (segment circuit) within a main circuit. The terminal is not used for voltage supply. It therefore does not have any elements for protection against polarity reversal and surge voltage. This terminal has an LED for bus diagnostics. It occupies two input data bits, which indicate the status of the electronic fuse.

Your advantages

- Automatic creation of a segment circuit in the main circuit
- Protection of the segment circuit using an electronic fuse with short-circuit current limitation
- Diagnostic and status indicators

Commercial data

Item number	2861409
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DR01
Product key	DRI122
Catalog page	Page 115 (C-6-2019)
GTIN	4017918894344
Weight per piece (including packing)	77.2 g
Weight per piece (excluding packing)	77.2 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

Utilization restriction

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

Interfaces

Inline local bus

Number of interfaces	2
Connection method	Inline data jumper
Transmission speed	500 kbps / 2 Mbps

System properties

Module

ID code (dec.)	190
ID code (hex)	BE
Length code (hex)	C2
Length code (dec)	194
Process data channel	2 bit
Input address area	2 bit
Output address area	0 bit
Register length	2 bit
Required parameter data	1 Byte
Required configuration data	4 Byte

Product properties

Type	modular
Product type	I/O component
Product family	Inline
Number of plugs	1

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

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	2.5 A (electronic)

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	2.5 A
Typical current consumption	30 mA

Potentials: Communications power (U_L)	
Supply voltage	7.5 V DC (via voltage jumper)
Current draw	max. 30 mA

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. 2.5 A (nominal value)

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)

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

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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)	75 % ... 85 % (in the range of -25°C ... +55°C, appropriate measures against increased humidity (> 85%) must be taken.)
Permissible humidity (storage/transport)	75 % ... 85 % (Slight temporary condensation may sometimes appear on the housing, e.g. when the terminal block is brought out of a vehicle into an enclosed room.)

Mounting

Mounting type	DIN rail mounting

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Classifications

ECLASS

ECLASS-11.0	27242610
ECLASS-12.0	27242610
ECLASS-13.0	27242610

ETIM

ETIM 9.0	EC001600

UNSPSC

UNSPSC 21.0	32151600

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Environmental product compliance

REACh SVHC	Lead 7439-92-1

China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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