

IB IL 24 PWR IN/F - Inline function terminal

2727909

<https://www.phoenixcontact.com/us/products/2727909>

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Inline power terminal block, without accessories, 24 V DC, with fuse (Main voltage)



Product description

The terminal is designed for use within an Inline station. It enables the 24 V supply voltage to be fed into the main circuit (U_M). The terminal has protection against polarity reversal and surge voltage. In addition, this terminal can be used to supply power for a 24 V segment circuit (U_S).

Commercial data

Item number	2727909
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	DRI121
GTIN	4017918185541
Weight per piece (including packing)	67.7 g
Weight per piece (excluding packing)	53.39 g
Customs tariff number	85389091
Country of origin	DE

Technical data

Product properties

Type	modular
	Inline
Number of plugs	1

Insulation characteristics

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

Programming data

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

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	Polarity protection, surge protection
	Overload protection; Fuse
Fuse	SI 5 x 20 6, 300 AT (in scope of delivery)

Supply

Communications power U_L	via voltage jumper
I/O voltage	24 V DC
I/O voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Residual ripple	± 1.2 V
Max. current consumption	6 A (8 A)

Potentials: Communications power (U_L)

Supply voltage	7.5 V DC (via voltage jumper)
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Potentials: Main circuit supply (U_M)

Supply voltage	24 V DC (nominal value)
Supply voltage range	19.2 V ... 30 V (including all tolerances, including ripple)
Power supply	max. 8 A (sum of $U_M + U_S$)

Potentials: Segment circuit supply (U_S)

Supply voltage	24 V DC (nominal value)
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Power supply	max. 8 A (sum of $U_M + U_S$)

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Connection data

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

Interfaces

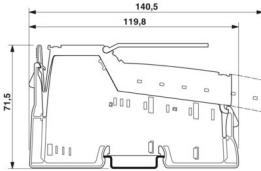
Supply voltage

Connection method	8-pos. Inline power connector
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Inline local bus

Connection method	Inline data jumper
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Dimensions

Dimensional drawing	
Width	12.2 mm
Height	119.8 mm
Depth	71.5 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
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Mounting

Mounting type	DIN rail mounting
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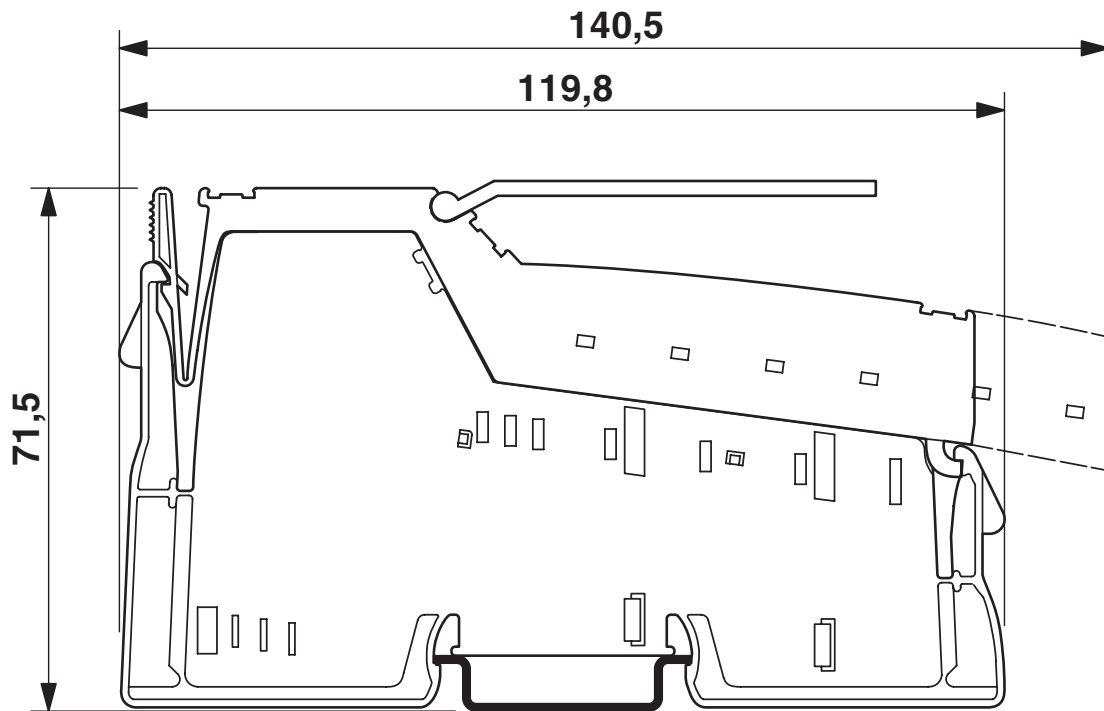
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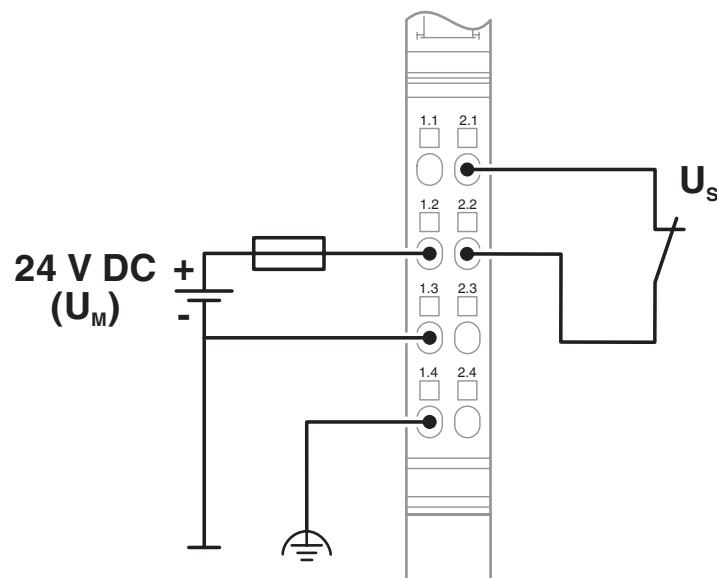
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Drawings

Dimensional drawing



Connection diagram



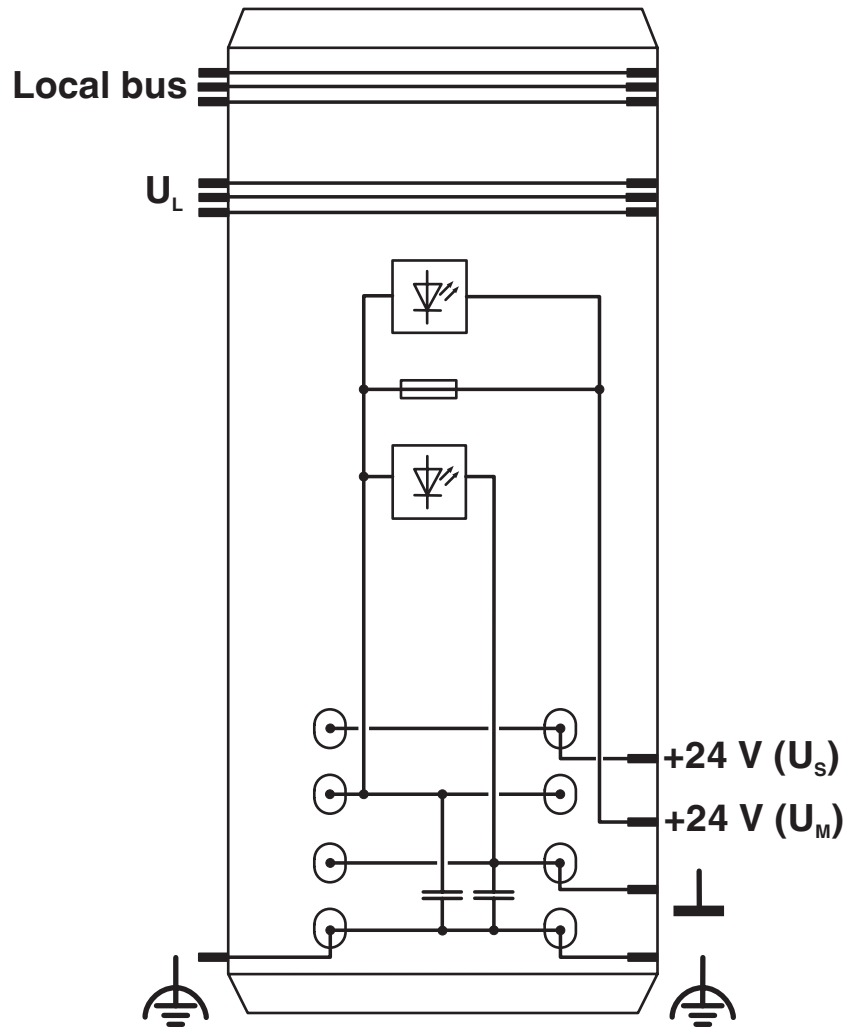
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Block diagram



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Environmental product compliance

EU REACH SVHC

REACH candidate substance (CAS No.)	
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	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