

# IB IL 24 PWR IN/2-F - Inline terminal

2860015

<https://www.phoenixcontact.com/us/products/2860015>

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



The figure shows version IB IL 24 PWR  
IN/F

## Commercial data

Item number	2860015
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	DRI121
GTIN	4017918820770
Weight per piece (including packing)	67.9 g
Weight per piece (excluding packing)	52.09 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 $U_L$	7.5 V DC (via voltage jumper)
I/O voltage	24 V DC
I/O voltage range	19.2 V ... 30 V (including all tolerances, including ripple)
Residual ripple	$\pm 1.2$ V $\pm 5$ %
Max. current consumption	6 A (8 A)

### Potentials: Main circuit supply ( $U_M$ )

Supply voltage	24 V DC (via Inline connector)
Supply voltage range	19.2 V ... 30 V (including all tolerances, including ripple)
Power supply	max. 6 A (sum of $U_M + U_S$ )

### Potentials: Segment circuit supply ( $U_S$ )

Supply voltage	24 V DC (via Inline connector)
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Power supply	max. 6 A (sum of $U_M + U_S$ )

### Connection data

Inline connector

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Connection method	Spring-cage connection
Conductor cross-section, rigid	0.08 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section, flexible	0.08 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section AWG	28 ... 16

## Interfaces

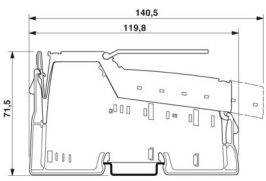
### Supply voltage

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

## Material specifications

Color	green
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## 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 %
Permissible humidity (storage/transport)	75 % ... 85 %

## Mounting

Mounting type	DIN rail mounting
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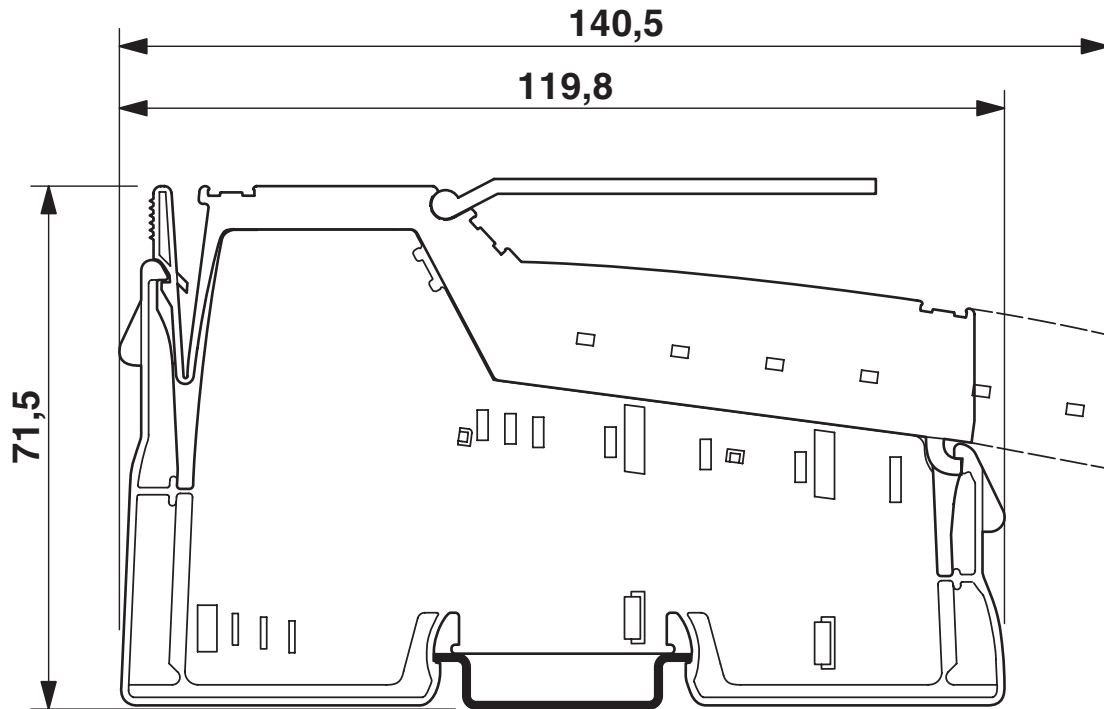


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## Drawings

Dimensional drawing



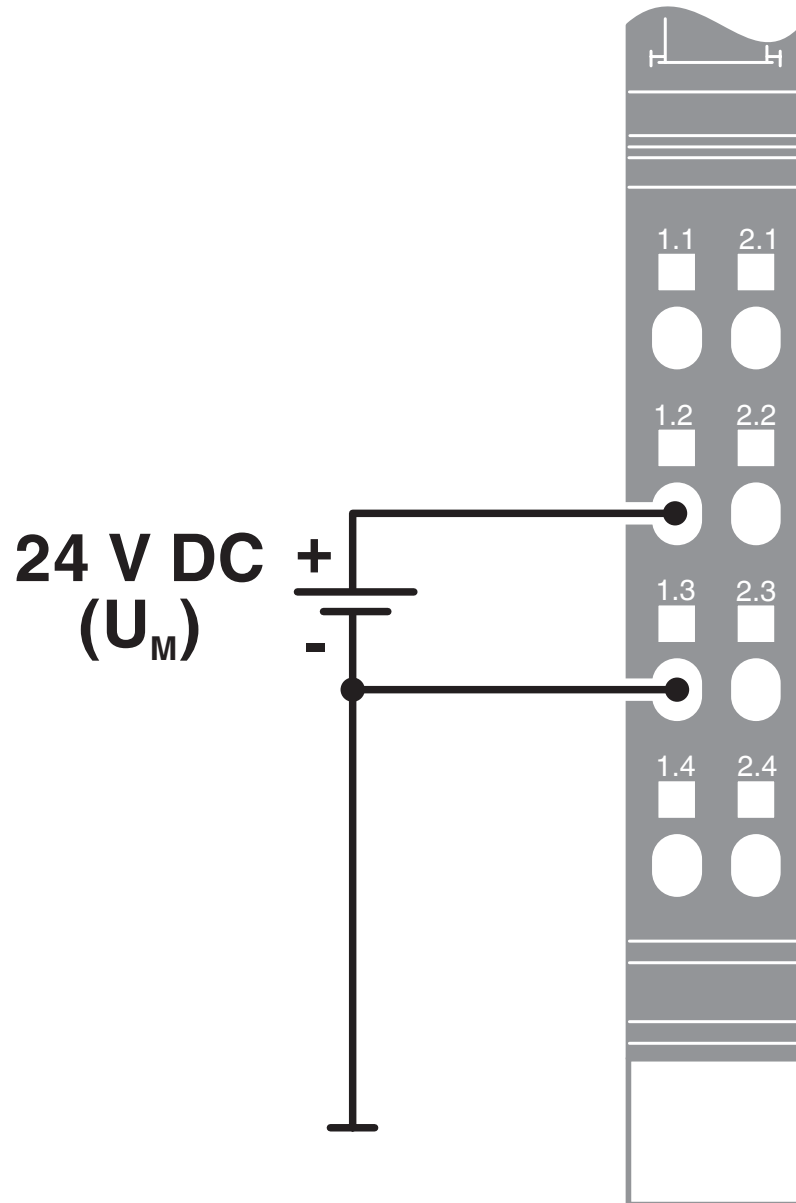
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Connection diagram



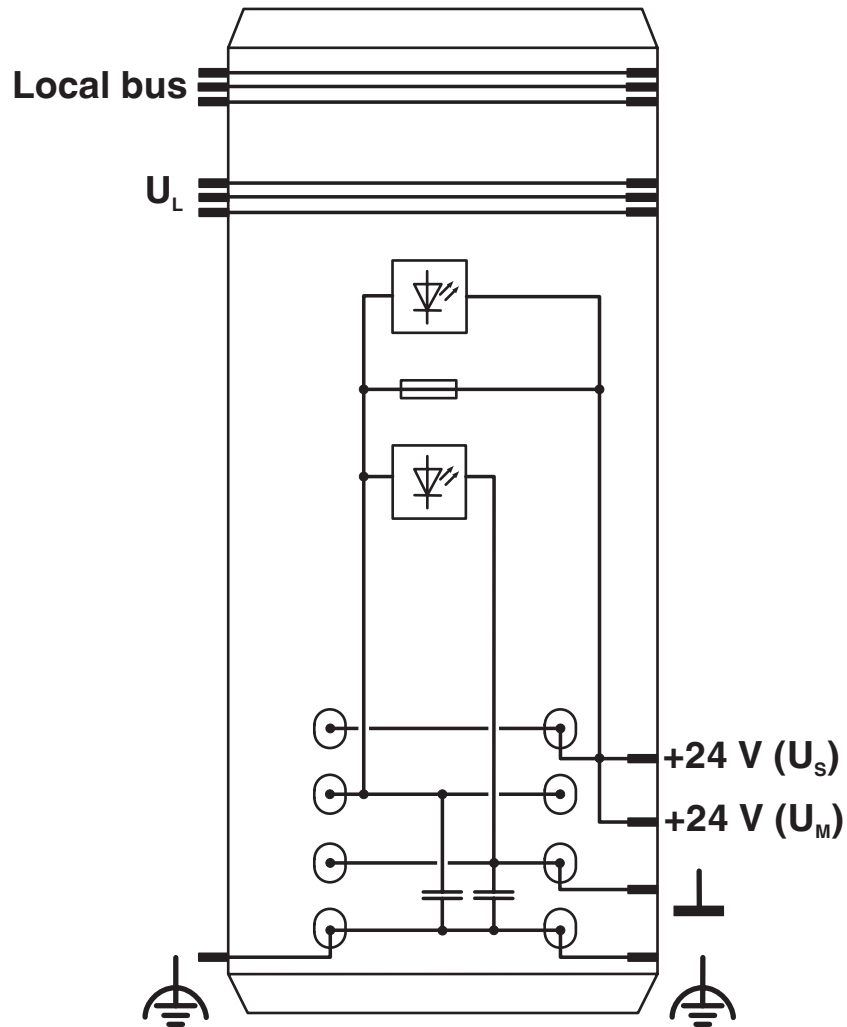
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Block diagram



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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](mailto:info@phoenixcon.com)