

IB IL 24 PWR IN - Inline terminal

2726311

<https://www.phoenixcontact.com/us/products/2726311>

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 block, without accessories, 24 V DC



The figure shows the version IB IL 24 PWR IN-PAC

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). In addition, this terminal can be used to supply power for a 24 V segment circuit (U_S).

Your advantages

- Segment circuit can be protected by an external fuse
- Main circuit protected by an external fuse
- Supply of the 24 V main voltage U_{M}
- Feed-in or provision of the 24 V segment voltage U_S

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 2726311 |
| Packing unit | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | DR01 |
| Product key | DRI121 |
| GTIN | 4017918168155 |
| Weight per piece (including packing) | 61.9 g |
| Weight per piece (excluding packing) | 44 g |
| Customs tariff number | 85389091 |
| Country of origin | DE |

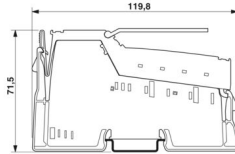
IB IL 24 PWR IN - Inline terminal

2726311

<https://www.phoenixcontact.com/us/products/2726311>

Technical data

Dimensions

| | |
|---------------------|--|
| Dimensional drawing |  |
| Width | 12.2 mm |
| Height | 119.8 mm |
| Depth | 71.5 mm |

Material specifications

| | |
|-------|-------|
| Color | green |
|-------|-------|

Interfaces

Inline local bus

| | |
|--------------------|---|
| Connection method | Inline data jumper |
| Transmission speed | 500 kbps / 2 Mbps (Can be used in Inline stations with these transmission speeds) |

System properties

Programming data

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

Fieldbus data telegram

| | |
|-----------------------------|--------|
| Required parameter data | 0 Byte |
| Required configuration data | 0 Byte |

Product properties

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

Insulation characteristics

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

Electrical properties

7.5 V supply (bus logics)/24 V supply (I/O) 500 V AC 50 Hz 1 min

IB IL 24 PWR IN - Inline terminal



2726311

<https://www.phoenixcontact.com/us/products/2726311>

| | |
|--------------------|--|
| Test section | 24 V supply (I/O) / functional ground 500 V AC 50 Hz 1 min |
| | 7.5 V supply (bus logic)/functional ground 500 V AC 50 Hz 1 min |
| Protective circuit | Surge protection; Suppressor diode |
| | Reverse polarity protection; Parallel polarity protection diode |
| | Overload protection, short-circuit protection in the segment circuit; No |

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 $U_M + U_S$) |

Connection data

Connection technology

| | |
|-----------------|------------------|
| Connection name | Inline connector |
|-----------------|------------------|

Inline connector

| | |
|-----------------------------------|--|
| Connection method | Spring-cage connection |
| 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 |
| 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) | 5 % ... 95 % (non-condensing) |
| Permissible humidity (storage/transport) | 5 % ... 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) |

Mounting

| | |
|---------------|-------------------|
| Mounting type | DIN rail mounting |
|---------------|-------------------|

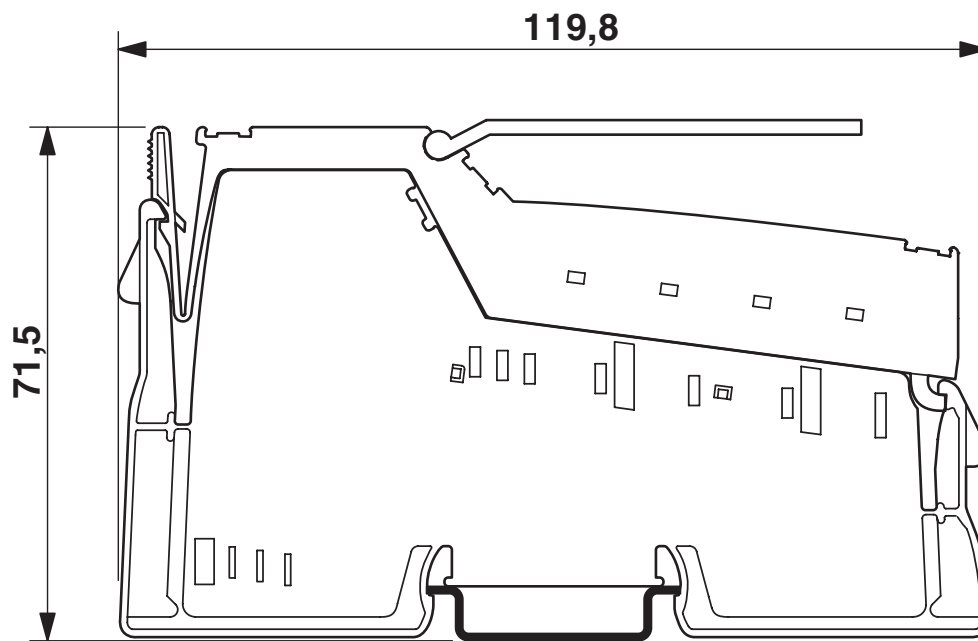
IB IL 24 PWR IN - Inline terminal

2726311

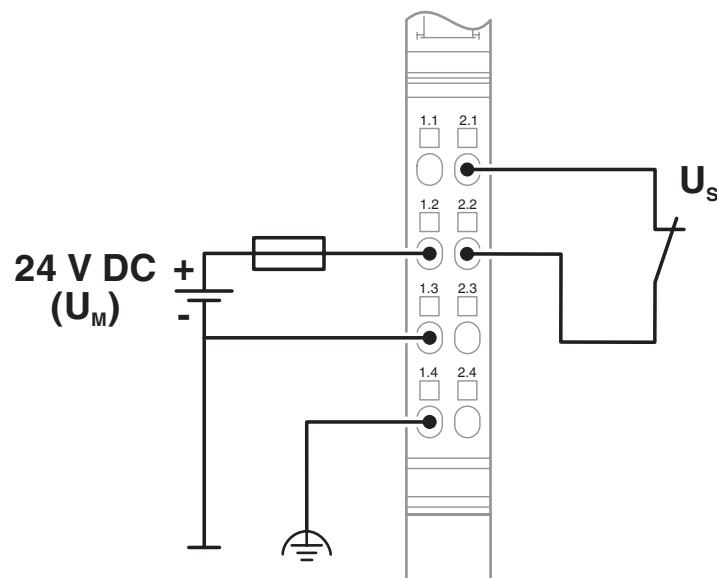
<https://www.phoenixcontact.com/us/products/2726311>

Drawings

Dimensional drawing



Connection diagram



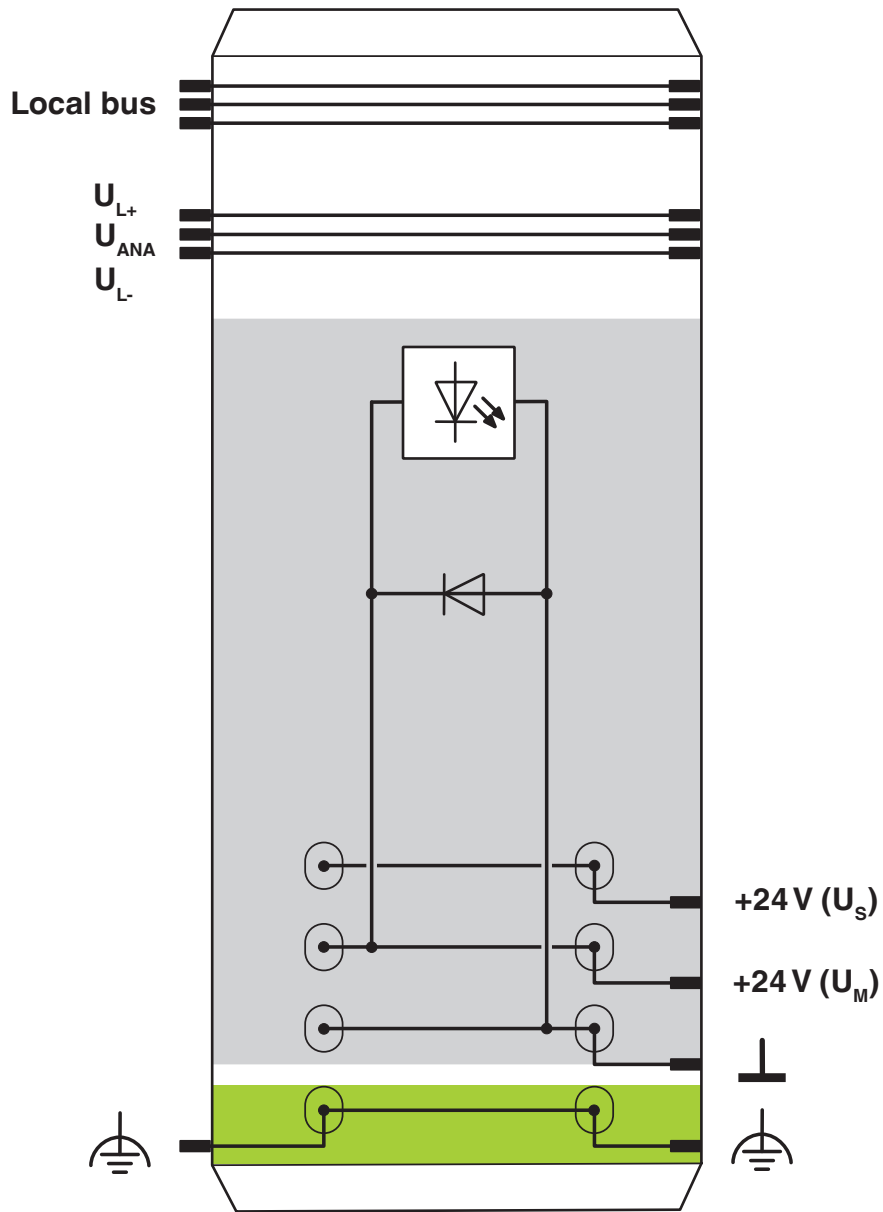
IB IL 24 PWR IN - Inline terminal

2726311

<https://www.phoenixcontact.com/us/products/2726311>



Block diagram



Internal wiring of the terminal points

IB IL 24 PWR IN - Inline terminal



2726311

<https://www.phoenixcontact.com/us/products/2726311>

Environmental product compliance

China RoHS

| | |
|--|--|
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |

EU REACH SVHC

| | |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

Phoenix Contact 2026 © - 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