

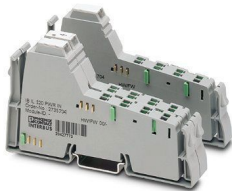
IB IL 120 PWR IN - Inline function terminal



2731704

<https://www.phoenixcontact.com/us/products/2731704>

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Inline power terminal block, without accessories, without fuse, 120 V AC

Product description

The terminal is designed for use within an Inline station. The terminal enables the 120 V AC supply voltage to be fed into a 120 V AC area of the Inline station. An end terminal, which must be used to terminate the 120 V AC area, is supplied as standard with the feed-in terminal.

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 2731704 |
| Packing unit | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | NULL |
| Product key | DRI121 |
| GTIN | 4017918163419 |
| Weight per piece (including packing) | 53 g |
| Weight per piece (excluding packing) | 53 g |
| Customs tariff number | 85389091 |
| Country of origin | DE |

Technical data

Product properties

| | |
|------|---------|
| Type | modular |
| | Inline |

Insulation characteristics

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

System properties

Module

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

Electrical properties

| | |
|--------------|--|
| Test section | Output / Phase 500 V AC 50 Hz 1 min |
| | 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) / I/O area 120 V AC 2500 V AC 50 Hz 1 min |
| | Routine test 1200 V AC 50 Hz 1 min |
| | I/O area 120 V AC/PE 500 V AC 50 Hz 1 min |

Supply

| | |
|--------------------------|--|
| I/O voltage | 120 V AC |
| I/O voltage range | 108 V AC ... 135 V AC (including all tolerances, including ripple) |
| Residual ripple | ± 12 V |
| Max. current consumption | 8 A |

Connection data

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 |

Interfaces

Supply voltage

| | |
|-------------------|-------------------------------|
| Connection method | 8-pos. Inline power connector |
|-------------------|-------------------------------|

Inline local bus

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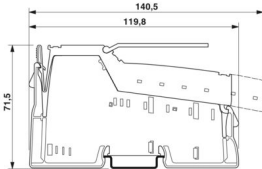


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| | |
|-------------------|--------------------|
| Connection method | Inline data jumper |
|-------------------|--------------------|

Dimensions

| | |
|---------------------|--|
| Dimensional drawing |  |
| Width | 36.6 mm |
| Height | 119.8 mm |
| Depth | 71.5 mm |

Material specifications

| | |
|-------|------|
| Color | gray |
|-------|------|

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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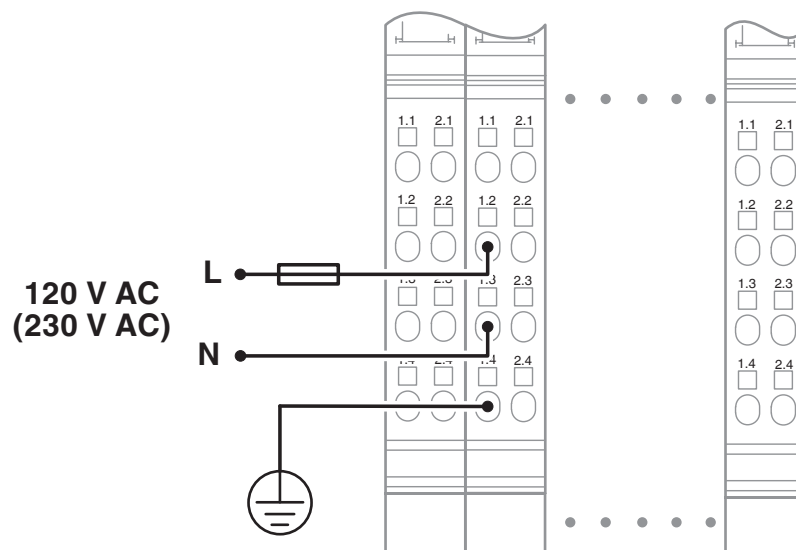
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Drawings

Dimensional drawing



Connection diagram



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Environmental product compliance

EU REACH SVHC

| REACH candidate substance (CAS No.) | |
|-------------------------------------|--|
|-------------------------------------|--|

| | |
|--|----------------------------|
| | No substance above 0.1 wt% |
|--|----------------------------|

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