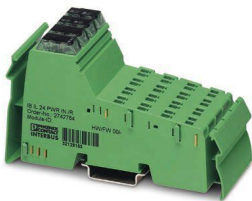


IB IL 24 PWR IN/PS - Inline function terminal

2819464

<https://www.phoenixcontact.com/us/products/2819464>

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Inline power terminal, without accessories, 24 V DC, for system voltages U_M , U_S , U_L , U_{ANA}

The figure shows the version IB IL 24 PWR IN/R

Product description

The terminal feeds the voltage to an Inline station if there is no bus terminal module, e.g. in the case of ILC 200 UNI. A 24 V DC voltage (U_{24V}) is applied to the terminal. This provides the logics voltage (U_L) and the supply voltage for the analog terminals (U_{ANA}). The terminal also allows the 24 V DC main voltage (U_M) and the 24 V DC segment voltage (U_S) to be supplied.

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 2819464 |
| Packing unit | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | NULL |
| Product key | DRI121 |
| GTIN | 4017918916312 |
| Weight per piece (including packing) | 163 g |
| Weight per piece (excluding packing) | 136.01 g |
| Customs tariff number | 85389091 |
| Country of origin | DE |

Technical data

Product properties

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

Insulation characteristics

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

System properties

Programming data

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

Electrical properties

| | |
|--------------|--|
| Test section | 7.5 V communications power, 24 V analog supply, 24 V bus terminal module supply/functional ground 500 V AC 50 Hz 1 min |
| | Communications power (U_{BK} , U_L , U_{ANA}) / I/O (U_M , U_S) 500 V AC 50 Hz 1 min |
| | 24 V main supply, 24 V segment supply/functional ground 500 V AC 50 Hz 1 min |

Supply

| | |
|--------------------------|-----------------|
| I/O voltage range | 19.2 V ... 30 V |
| Residual ripple | ±5 % |
| Max. current consumption | 1.25 A DC |

Potentials: Communications power (U_L)

| | |
|----------------|--------------------------------|
| Supply voltage | 7.5 V DC (via voltage jumper) |
| Power supply | max. 2 A DC (observe derating) |

Potentials: Supply of analog modules (U_{ANA})

| | |
|----------------------|--|
| Supply voltage | 24 V DC |
| Supply voltage range | 19.2 V DC ... 30 V DC (including all tolerances, including ripple) |
| Power supply | max. 0.5 A DC (observe derating) |

Potentials: Main circuit supply (U_M)

| | |
|----------------------|---|
| Supply voltage | 24 V DC (via Inline connector) |
| Supply voltage range | 19.2 V ... 30 V DC (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 (via Inline connector) |
| Supply voltage range | 19.2 V DC ... 30 V DC (including all tolerances, including ripple) |
| Power supply | max. 8 A (sum of $U_M + U_S$) |

Dimensions

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| | |
|--------|----------|
| Width | 48.8 mm |
| Height | 119.8 mm |
| Depth | 71.5 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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Environmental product compliance

EU REACH SVHC

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

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