

## Inline function terminal - IB IL PM 3P/N/EF-PAC - 2700965

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Inline power measurement terminal for direct measurement of AC currents up to 5 A, including neutral conductor current and phase conductor voltages up to 400 V AC (phase/neutral conductor) or 690 V AC (phase/phase) complete with accessories (connectors and labeling fields)

### Why buy this product

- 4 inputs, 1 A AC ... 5 A AC for phase currents and neutral conductor currents
- 3 inputs for outer conductor voltages up to 690 V AC, supports direct connection
- Triggers for meas. intervals can be freely defined
- Harmonics analysis
- Determination of maximum values
- Operating hours counter
- Power meter
- Bimetal filtering
- Short-time control

### Key Commercial Data

Packing unit	1 STK
GTIN	
GTIN	4046356665919

### Technical data

#### Dimensions

Width	48.8 mm
Height	119.8 mm
Depth	71.5 mm
Note on dimensions	Housing dimensions

#### Ambient conditions

Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C

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## Technical data

### Ambient conditions

Permissible humidity (operation)	10 % ... 95 % (according to DIN EN 61131-2)
Permissible humidity (storage/transport)	10 % ... 95 % (according to DIN EN 61131-2)
Air pressure (operation)	80 kPa ... 106 kPa (up to 2000 m above sea level)
Air pressure (storage/transport)	80 kPa ... 106 kPa (up to 2000 m above sea level)
Degree of protection	IP20

### General

Mounting type	DIN rail
Net weight	200 g
Note on weight specifications	with connectors
Operating mode	Process data mode with 12 words, PCP with 2 words

### Interfaces

Designation	Inline local bus
Connection method	Inline data jumper
Transmission speed	500 kbps

### Inline potentials

Designation	Communications power (U <sub>L</sub> )
Supply voltage	7.5 V DC (via voltage jumper)
Current consumption	typ. 78 mA
	max. 90 mA (all connections of the serial interface are short-circuited)

### Standards and Regulations

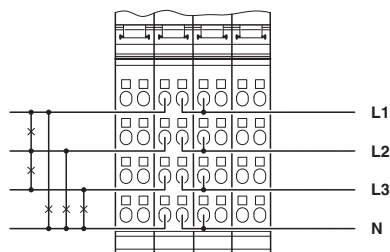
Protection class	III, IEC 61140, EN 61140, VDE 0140-1
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### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

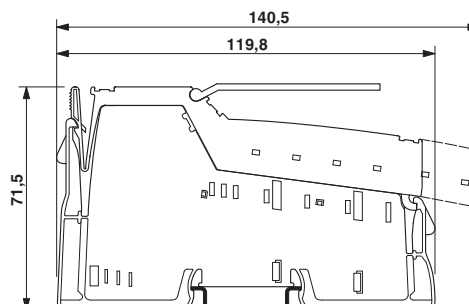
## Drawings

Connection diagram



Direct connection

Dimensional drawing



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### Approvals

Approvals

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Approvals


EAC

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Ex Approvals

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### Approval details

EAC		EAC-Zulassung
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