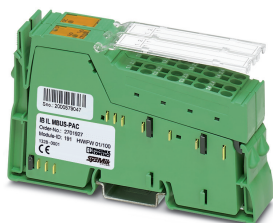


Inline function terminal - IB IL MBUS-PAC - 2701927

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Inline M-Bus master terminal, for connecting M-Bus devices, complete with accessories (connector and marking field)

Your advantages

- M-Bus connection for up to 30 devices
- Transmission speed can be set from 300 baud to 19,200 baud
- Parameterization via process data
- Process data width: 16 words
- Diagnostic and status indicators



Key Commercial Data

| | |
|--------------|---------------|
| Packing unit | 1 pc |
| GTIN | |
| GTIN | 4046356902106 |

Technical data

Note

| | |
|-------------------------|---|
| Utilization restriction | EMC: class A product, see manufacturer's declaration in the download area |
|-------------------------|---|

Dimensions

| | |
|--------------------|--------------------|
| Width | 24.4 mm |
| Height | 119.8 mm |
| Depth | 71.5 mm |
| Note on dimensions | Housing dimensions |

Connection data

| | |
|-------------------|------------------------|
| Designation | Inline connector |
| Connection method | Spring-cage connection |

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Technical data

Connection data

| | |
|---------------------------------------|----------------------|
| Conductor cross section solid min. | 0.08 mm ² |
| Conductor cross section solid max. | 1.5 mm ² |
| Conductor cross section flexible min. | 0.08 mm ² |
| Conductor cross section flexible max. | 1.5 mm ² |
| Conductor cross section AWG min. | 28 |
| Conductor cross section AWG max. | 16 |
| Stripping length | 8 mm |

Ambient conditions

| | |
|--|---|
| Ambient temperature (operation) | -25 °C ... 55 °C |
| Ambient temperature (storage/transport) | -25 °C ... 85 °C |
| Permissible humidity (operation) | 10 % ... 95 % (non-condensing) |
| Permissible humidity (storage/transport) | 10 % ... 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) |
| Degree of protection | IP20 |

General

| | |
|---------------|----------|
| Mounting type | DIN rail |
| Color | green |
| Net weight | 125 g |

Interfaces

| | |
|----------------------|--------------------|
| Designation | Inline local bus |
| Connection method | Inline data jumper |
| Transmission speed | 500 kbps |
| Designation | M-Bus |
| Connection method | Inline connector |
| Transmission physics | Copper |

Inline potentials

| | |
|---------------------|---|
| Designation | Communications power (U _L) |
| Supply voltage | 7.5 V DC (via voltage jumper) |
| Current consumption | typ. 65 mA |
| | max. 90 mA |
| Designation | Main circuit supply (U _M) |
| Supply voltage | 24 V DC (via voltage jumper) |
| Current consumption | typ. 26 mA (without connected unit loads) |
| | typ. 56 mA (for 10 unit loads; see example calculation) |
| | max. 160 mA |
| Designation | Segment circuit supply (U _S) |

Electrical isolation

Inline function terminal - IB IL MBUS-PAC - 2701927

Technical data

Electrical isolation

| | |
|--------------|--|
| Test section | M-Bus / 7.5 V supply (bus logic) 500 V AC 50 Hz 1 min. |
| | M-Bus / 24 V supply U_M 500 V AC 50 Hz 1 min. |
| | M-Bus/functional ground 500 V AC 50 Hz 1 min. |
| | 7.5 V supply (bus logic)/functional ground 500 V AC 50 Hz 1 min. |
| | 24 V supply (U_M)/functional ground 500 V AC 50 Hz 1 min. |

Standards and Regulations

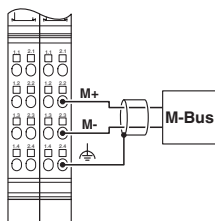
| | |
|------------------|---------------------------------------|
| Protection class | III (IEC 61140, EN 61140, VDE 0140-1) |
|------------------|---------------------------------------|

Environmental Product Compliance

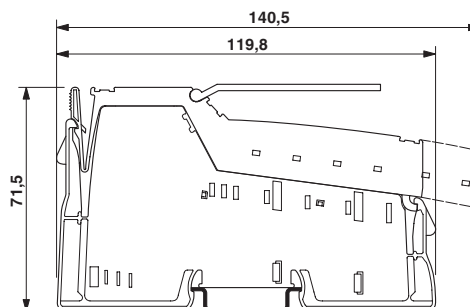
| | |
|------------|---|
| REACH SVHC | Lead 7439-92-1 |
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

Drawings

Connection diagram



Dimensional drawing



Classifications

eCl@ss

| | |
|---------------|----------|
| eCl@ss 10.0.1 | 27242608 |
| eCl@ss 11.0 | 27242608 |
| eCl@ss 4.1 | 27250300 |
| eCl@ss 5.1 | 27242600 |
| eCl@ss 6.0 | 27242600 |
| eCl@ss 7.0 | 27242608 |
| eCl@ss 9.0 | 27242608 |

ETIM

| | |
|----------|----------|
| ETIM 3.0 | EC001604 |
| ETIM 4.0 | EC001604 |
| ETIM 6.0 | EC001604 |

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Classifications

ETIM

| | |
|----------|----------|
| ETIM 7.0 | EC001604 |
|----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 13.2 | 32151602 |
| UNSPSC 18.0 | 32151602 |
| UNSPSC 19.0 | 32151602 |
| UNSPSC 20.0 | 32151602 |
| UNSPSC 21.0 | 32151602 |

Accessories

Accessories

Labeling panel

Labeling field - IB IL FIELD 2 - 2727501

Labeling field, width: 12.2 mm



Plug

Inline connector - IB IL SCN-8 - 2726337

Connector, for digital 1, 2 or 8-channel Inline terminals



Terminal marking

Insert strip - ESL 62X10 - 0809492

Insert strip, Sheet, white, unlabeled, can be labeled with: Office printing systems: Laser printer, mounting type: insert, lettering field size: 62 x 10 mm, Number of individual labels: 72



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