

## Inline function terminal - IB IL RS UNI-2MBD-PAC - 2701025

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Inline communication terminal, for serial data transmission, complete with accessories (connector connector and labeling field), 1 serial input and output channel in RS-485/422 or RS-232 design, transmission speed 2 Mbaud



### Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4046356681773

### Technical data

#### Note

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

Width	24.3 mm
Height	135.4 mm
Depth	71.5 mm

#### Connection data

Designation	Inline connector
Connection method	Spring-cage connection
Conductor cross section solid min.	0.08 mm <sup>2</sup>
Conductor cross section solid max.	1.5 mm <sup>2</sup>
Conductor cross section flexible min.	0.08 mm <sup>2</sup>
Conductor cross section flexible max.	1.5 mm <sup>2</sup>
Conductor cross section AWG min.	28
Conductor cross section AWG max.	16
Stripping length	8 mm

#### Ambient conditions

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### 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
Net weight	135 g

### Interfaces

Designation	Inline local bus
Connection method	Inline data jumper
Transmission speed	2 Mbps
Interface	RS-232, RS-485, RS-422
Connection method	Spring-cage connection
Transmission physics	Copper
Data bits	5 ... 8
Stop bits	1 or 2
Input buffer	4 kByte
Output buffer	1 kByte

### Inline potentials

Designation	Communications power ( $U_L$ )
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)
Power consumption	typ. 585 mW (at $U_L$ )
Designation	Main circuit supply ( $U_M$ )
Supply voltage	24 V DC (via voltage jumper)
Current consumption	typ. 15 mA
	max. 25 mA

### Serial input/output channel

Parity	Even, odd or no parity
Transmission type	Transparent mode, end-to-end mode, XON/XOFF

### Electrical isolation

Test section	Serial interface/7.5 V supply (bus logic) 500 V AC 50 Hz 1 min.
	Serial interface/24 V supply $U_M$ 500 V AC 50 Hz 1 min.
	Serial interface/functional earth ground 500 V AC 50 Hz 1 min.

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### Electrical isolation

	7.5 V supply (bus logics) / functional earth ground 500 V AC 50 Hz 1 min.
	24 V supply (U <sub>M</sub> )/functional earth ground 500 V AC 50 Hz 1 min.

### 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

## Approvals

### Approvals

#### Approvals

UL Listed / cUL Listed / cULus Listed

#### Ex Approvals

### Approval details

UL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 140324
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cUL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 140324
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cULus Listed			
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