

Inline function terminal - IB IL RS UNI-PAC - 2700893

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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

Product Description

The terminal is designed for use within an Inline station. It is used to operate standard I/O devices with serial interfaces on a bus system.

Why buy this product

- A serial input and output channel in RS-232, RS-422, and RS-485 format
- Various protocols supported
- Transmission speed can be set up to 250,000 baud
- Number of data bits, stop bits and parity can be set
- Parameterization via process data or PCP
- Process data width can be set via DIP switches: 7, 15 or 31 words

Key Commercial Data

Packing unit	1 STK
GTIN	
GTIN	4046356657129
Weight per Piece (excluding packing)	135.000 g
Custom tariff number	85389091
Country of origin	Germany

Technical data

Note

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

Width	24.4 mm
Height	135 mm

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Technical data

Dimensions

Depth	71.5 mm
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Connection data

Designation	Inline connector
Connection method	Spring-cage connection
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)
	80 kPa ... 106 kPa (up to 3000 m above sea level, in ATEX Zone 2)
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
Note on weight specifications	with connectors

Interfaces

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

Communications power U_L	7.5 V
Current consumption from U_L	typ. 78 mA

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Inline potentials

	max. 90 mA (all connections of the serial interface are short-circuited)
Main circuit supply U_M	24 V DC
Current consumption from U_M	typ. 15 mA
	max. 25 mA
Power consumption	typ. 585 mW (at U_L)
	typ. 320 mW (at U_M)

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.
	7.5 V supply (bus logics) / functional earth ground 500 V AC 50 Hz 1 min.
	24 V supply (U_M)/functional earth ground 500 V AC 50 Hz 1 min.

Standards and Regulations

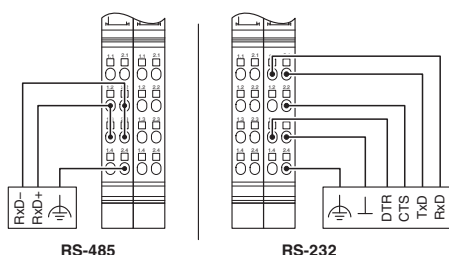
Protection class	III, IEC 61140, EN 61140, VDE 0140-1
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Environmental Product Compliance

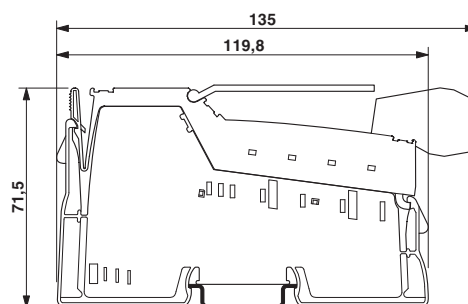
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Connection diagram



Dimensional drawing



Classifications

eCl@ss

eCl@ss 4.0	27250203
eCl@ss 4.1	27250203

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Classifications

eCl@ss

eCl@ss 5.0	27250203
eCl@ss 5.1	27242608
eCl@ss 6.0	27242608
eCl@ss 7.0	27242608
eCl@ss 8.0	27242608
eCl@ss 9.0	27242608

ETIM

ETIM 3.0	EC001604
ETIM 4.0	EC001604
ETIM 5.0	EC001604
ETIM 6.0	EC001604

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	32151602

Approvals

Approvals

Approvals

UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

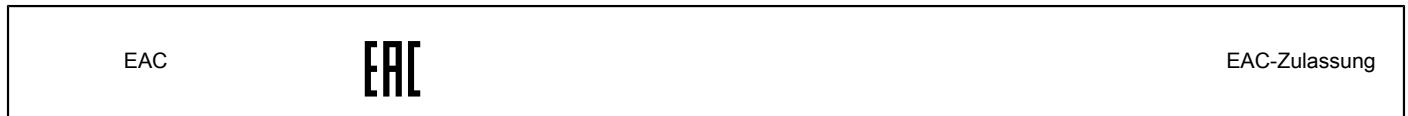
Approval details

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324
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cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324
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Approvals



Accessories

Accessories

Connector set

Connector set - IB IL AO/CNT-PLSET - 2732664



Connector set

Labeling panel

Labeling field - IB IL FIELD 2 - 2727501

Labeling field, width: 12.2 mm



Plug

Inline shield connector - IB IL SCN-6 SHIELD - 2726353



Inline shield connector

Terminal marking

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Accessories

Insert strip - ESL 62X10 - 0809492

Insert strip, Sheet, white, unlabeled, can be labeled with: Office printing systems: Laser printer, Mounting type: Insert, Lettering field: 62 x 10 mm



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