

Inline function terminal - IB IL RS 232-PAC - 2861357

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Inline RS-232 function terminal block, for serial data transmission, complete with accessories (connector and labeling field), 1 serial input and output channel in 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.

Your advantages

- ✓ Support of various protocols (e.g., end-to-end protocol)
- ✓ Communication via acyclic services (PCP) or process data (PRO versions)

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 894290
GTIN	4017918894290
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	136.8 mm
Depth	71.5 mm

Connection data

Designation	Inline connector
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Connection data

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 % (according to DIN EN 61131-2)
Permissible humidity (storage/transport)	10 % ... 95 % (according to DIN EN 61131-2)
Degree of protection	IP20

General

Mounting type	DIN rail
Color	green
Net weight	135 g

Interfaces

Designation	Inline local bus
Connection method	Inline data jumper
Transmission speed	500 kbps
Interface	RS-232
Connection method	Spring-cage connection
Data bits	7 or 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. 155 mA
	max. 225 mA (all connections of the serial interface are short-circuited)

Serial input/output channel

Parity	Even, odd or no parity
Transmission type	Transparent mode, end-end mode, dual buffer mode, 3964R, XON/XOFF

Standards and Regulations

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Technical data

Standards and Regulations

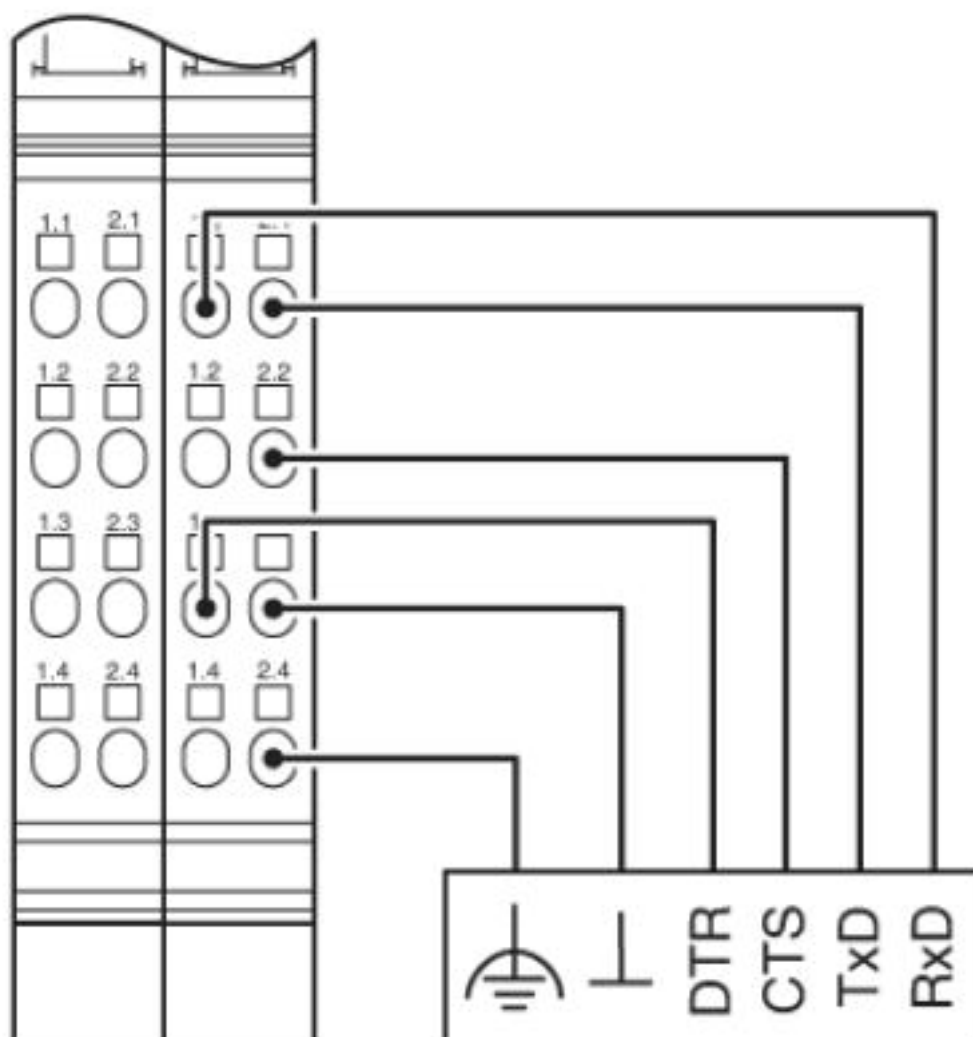
Connection in acc. with standard	CUL
Protection class	III (IEC 61140, EN 61140, VDE 0140-1)

Environmental Product Compliance

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

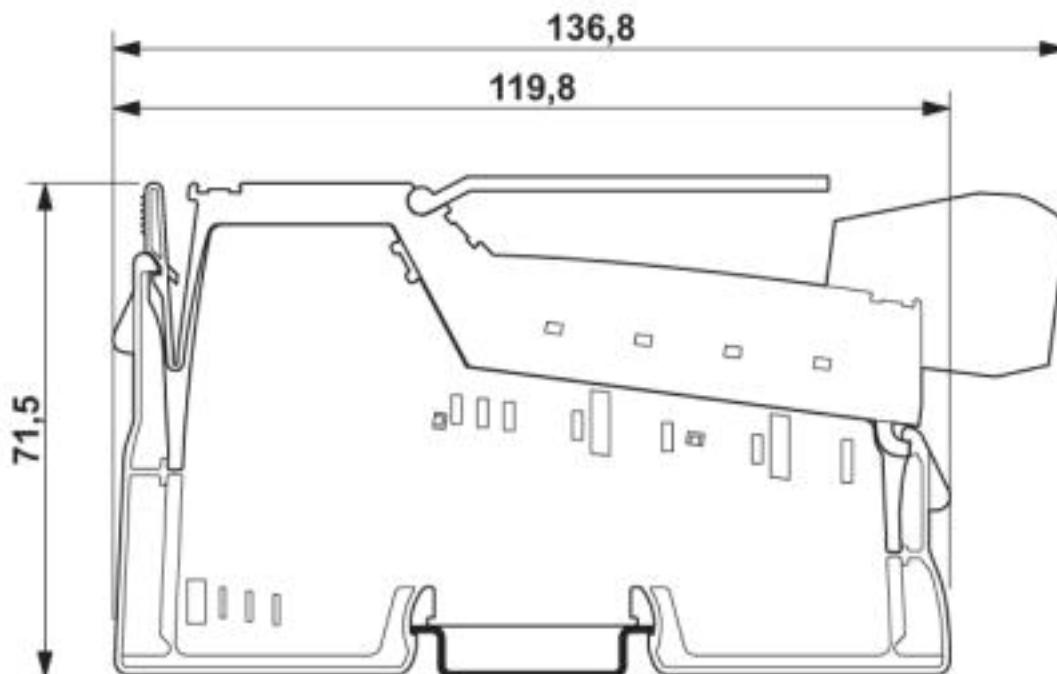
Drawings

Connection diagram



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Dimensional drawing



Classifications

eCl@ss

eCl@ss 4.0	27250300
eCl@ss 4.1	27250300
eCl@ss 5.0	27250300
eCl@ss 5.1	27242600
eCl@ss 6.0	27242600
eCl@ss 7.0	27242605
eCl@ss 8.0	27242605
eCl@ss 9.0	27242605

ETIM

ETIM 2.0	EC001434
ETIM 3.0	EC001604
ETIM 4.0	EC001604
ETIM 5.0	EC001601
ETIM 6.0	EC001601
ETIM 7.0	EC001601

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015

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Classifications

UNSPSC

UNSPSC 12.01	43201404
UNSPSC 13.2	32151602
UNSPSC 18.0	32151602
UNSPSC 19.0	32151602
UNSPSC 20.0	32151602
UNSPSC 21.0	32151602

Approvals

Approvals

Approvals

DNV GL / BV / LR / ABS / BSH / RINA / UL Recognized / EAC

Ex Approvals

Approval details

DNV GL		https://approvalfinder.dnvgl.com/	TAA00001KV
BV		http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials	21595/B0 BV
LR		http://www.lr.org/en	08/20033
ABS		http://www.eagle.org/eagleExternalPortalWEB/	17-HG1621871-PDA
BSH		http://www.bsh.de/de/index.jsp	Anwenderhinweis
RINA		http://www.rina.org/en	ELE335818XG
UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324

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Approvals

EAC



EAC-Zulassung

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



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