

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 (plug and labeling field), 1 serial input and output channel in RS-232 design




Why buy this product

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



Key commercial data

Packing unit	1 PCE
GTIN	 4 017918 894290
Weight per Piece (excluding packing)	152.57 GRM
Weight per piece (including packing)	168.4 GRM
Custom tariff number	85389091
Country of origin	Germany
Sales Key	O1 - Automatation Systems

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

General

Number of connectors	2
Color	green
Weight	135 g
Mounting type	DIN rail

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Technical data

General

Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	75 % ... 85 % (in the range of -25°C ... +55°C, appropriate measures against increased humidity (> 85%) must be taken.)
Permissible humidity (storage/transport)	75 % ... 85 % (Slight temporary condensation may sometimes appear on the housing, e.g. when the terminal block is brought out of a vehicle into an enclosed room.)
Degree of protection	IP20
Protection class	III, IEC 61140, EN 61140, VDE 0140-1

Interfaces

Interface	Inline local bus
Connection method	Inline data jumper
Transmission speed	500 kBit/s
Interface	V.24 (RS-232)
Connection method	Spring-cage connection
Transmission speed	110 Bit/s ... 38400 Bit/s (configurable)
Input buffer	4 kByte
Output buffer	1 kByte
Data bits	7 or 8
Stop bits	1 or 2

Power supply

Typical current consumption	155 mA
I/O voltage	24 V DC (via voltage jumper)
I/O voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)

Serial input/output channel

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

Inline potentials

Communications power U_L	7.5 V (via voltage jumper)
Current consumption from U_L	typ. 155 mA
	max. 225 mA (all connections of the serial interface are short-circuited)

Electrical isolation

Test section	5 V supply, incoming remote bus/7.5 V supply (bus logics) 500 V AC 50 Hz 1 min
	5 V supply, outgoing remote bus/7.5 V supply (bus logics) 500 V AC 50 Hz 1 min
	RS-232 interface / 7.5 V supply (bus logics) 500 V AC 50 Hz 1 min
	RS-232 interface / 24 V supply (I/O) 500 V AC 50 Hz 1 min
	RS-232 interface / functional earth ground 500 V AC 50 Hz 1 min

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Electrical isolation

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

Classifications

eCl@ss

eCl@ss 4.0	27250304
eCl@ss 4.1	27250203
eCl@ss 5.0	27250304
eCl@ss 5.1	27242608
eCl@ss 6.0	27242608
eCl@ss 7.0	27242608
eCl@ss 8.0	27242608

ETIM

ETIM 2.0	EC001434
ETIM 3.0	EC001604
ETIM 4.0	EC001604
ETIM 5.0	EC001604

UNSPSC

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

Approvals

Approvals

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UL Recognized / cUL Recognized / GOST / LR / GL / BV / DNV / ABS / RINA / GL-SW / BSH / cULus Recognized / GL


Ex Approvals


Approvals submitted

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Approvals

Approval details

UL Recognized 

cUL Recognized 

GOST 

LR

GL

BV

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RINA

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BSH

cULus Recognized 

GL

Accessories

Accessories

Connector set

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Accessories

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

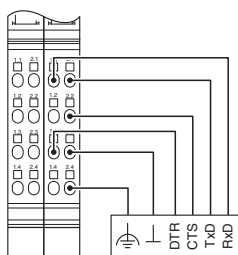
Insert strip - ESL 62X10 - 0809492

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

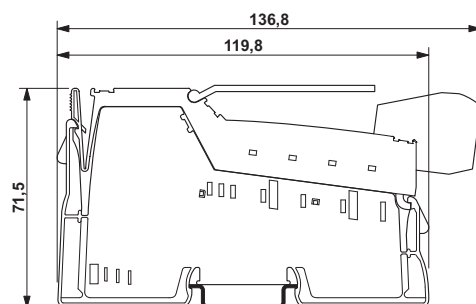


Drawings

Connection diagram



Dimensioned drawing



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Block diagram

