

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

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



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 Features

- 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 pc
Weight per Piece (excluding packing)	182.8 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
-------------------------	---

Dimensions

Width	24.4 mm
Height	136.8 mm
Depth	71.5 mm

General

Number of plugs	2
Color	green
Weight	135 g
Mounting type	DIN rail
Ambient temperature (operation)	-25 °C ... 55 °C

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

Technical data

General

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	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.

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

Technical data

Electrical isolation

	RS-232 interface / functional earth ground 500 V AC 50 Hz 1 min.
	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.

Standards and Regulations

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.
	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.
Connection in acc. with standard	CUL

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	27242605

ETIM

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

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015

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

Classifications

UNSPSC

UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / LR / BV / ABS / RINA / BSH / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized 

cUL Recognized 
--

LR

BV

ABS

RINA

BSH

EAC

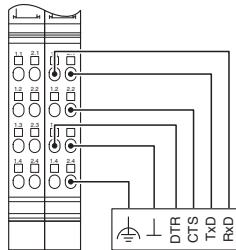
Inline function terminal - IB IL RS 232-PAC - 2861357

Approvals

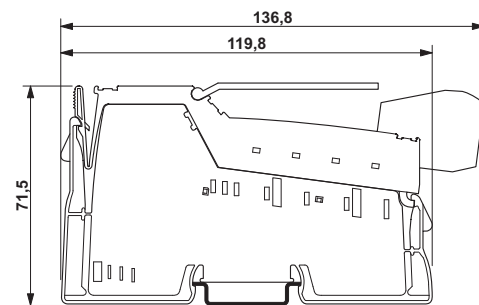
cULus Recognized  US

Drawings

Connection diagram



Dimensional drawing



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

Block diagram

