

## Inline function terminal - IB IL RS 232-PRO-PAC - 2878722

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, for serial data transmission, complete with accessories (connector and labeling field), 1 serial input and output channel in RS-232 design, dedicated process data communication

### Product Description

The serial inline communication terminal IL RS-232-PRO permits simple and fast integration of scanners, scales and printers into existing production processes. Parameter setting and data exchange is performed exclusively with process data. This means faster communication times for small data volume than with the PCP version. A wide range of applications is supported thanks to various protocols and transmission speeds up to 38400 baud.

### Your advantages

- One serial RS-232 input and output channel
- Various protocols supported
- Diagnostic and status indicators



### Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4046356012430

### Technical data

#### Note

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

#### Dimensions

Width	24.4 mm
Height	136 mm
Depth	71.5 mm

#### Connection data

Designation	Inline connector
Connection method	Spring-cage connection

# Inline function terminal - IB IL RS 232-PRO-PAC - 2878722

## Technical data

### Connection data

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

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	166 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 <sub>L</sub> )
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

Protection class	III (IEC 61140, EN 61140, VDE 0140-1)
------------------	---------------------------------------

# Inline function terminal - IB IL RS 232-PRO-PAC - 2878722

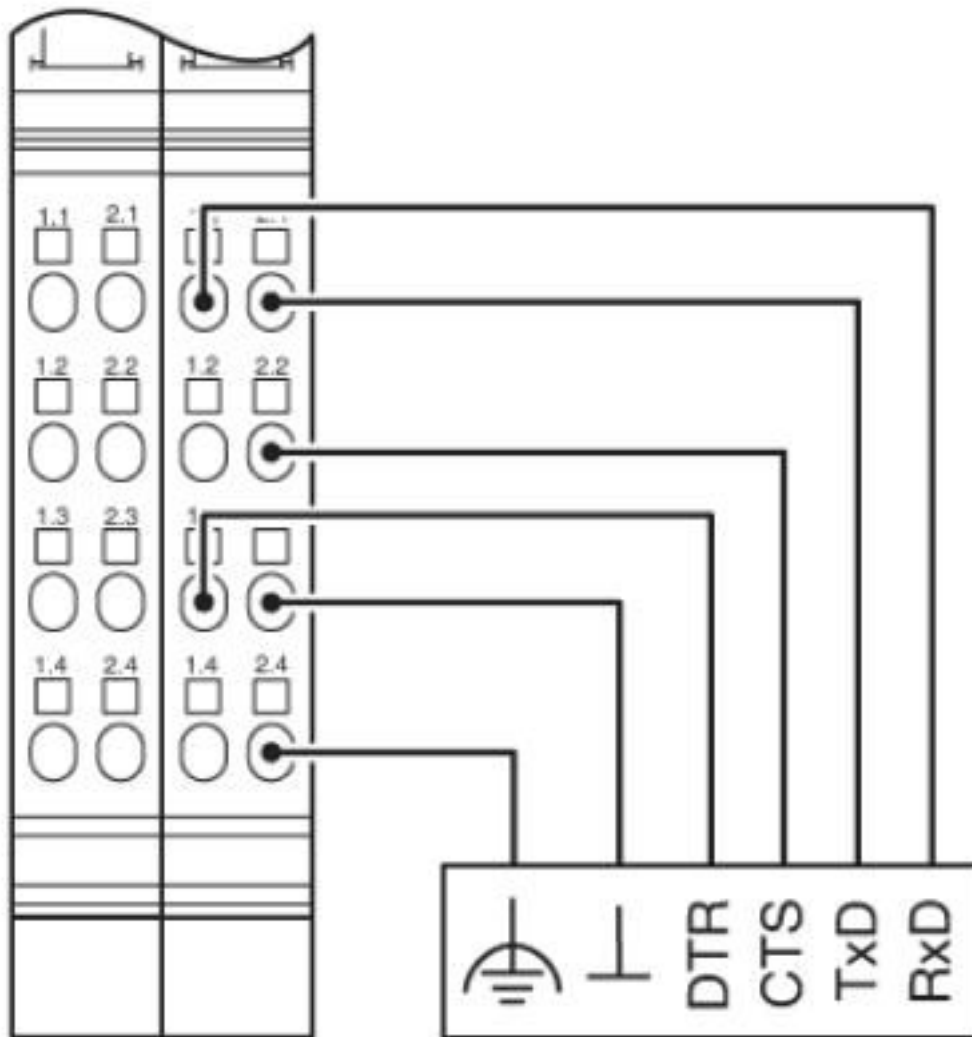
## Technical data

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
------------	----------------

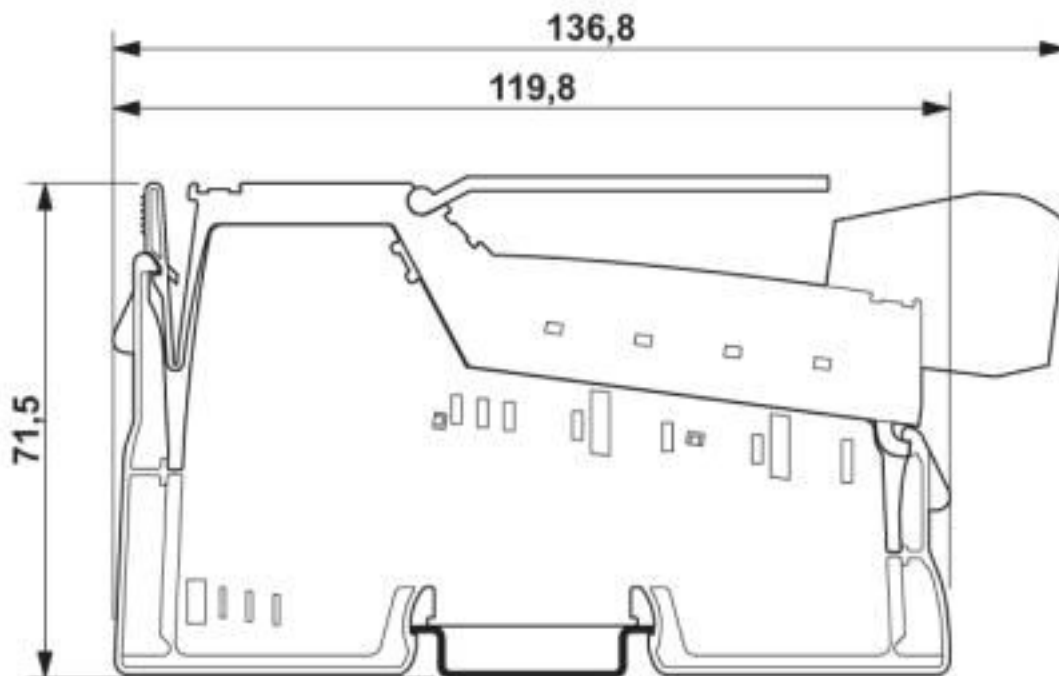
## Drawings

Connection diagram



# Inline function terminal - IB IL RS 232-PRO-PAC - 2878722

Dimensional drawing



## Classifications

### eCl@ss

eCl@ss 10.0.1	27242605
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

# Inline function terminal - IB IL RS 232-PRO-PAC - 2878722

## Classifications

### UNSPSC

UNSPSC 11	43172015
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 / BSH / BV / LR / ABS / BSH / RINA / UL Listed / cUL Listed / EAC / cULus Listed

#### Ex Approvals

UL Listed / cUL Listed / cULus Listed

### Approval details

DNV GL		<a href="https://approvalfinder.dnvgl.com/">https://approvalfinder.dnvgl.com/</a>	TAA00001KV
BSH			Anwenderhinweis
BV		<a href="http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials">http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials</a>	21595/B0 BV
LR		<a href="http://www.lr.org/en">http://www.lr.org/en</a>	08/20033
ABS		<a href="http://www.eagle.org/eagleExternalPortalWEB/">http://www.eagle.org/eagleExternalPortalWEB/</a>	17-HG1621871-PDA
BSH			658
RINA		<a href="http://www.rina.org/en">http://www.rina.org/en</a>	ELE001320XG

# Inline function terminal - IB IL RS 232-PRO-PAC - 2878722

## Approvals

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
-----------	--	---	---------------

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
------------	--	---	---------------

EAC		EAC-Zulassung
-----	--	---------------

cULus Listed	
--------------	--

## 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

## Inline function terminal - IB IL RS 232-PRO-PAC - 2878722

### 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 size: 62 x 10 mm, Number of individual labels: 72

---

User manual - IL SYS INST UM - 2698724



User manual, German, for installing terminals from the Inline product range

---

Phoenix Contact 2020 © - all rights reserved  
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Controllers](#) category:*

*Click to view products by [Phoenix Contact](#) manufacturer:*

Other Similar products are found below :

[61FGPN8DAC120](#) [CV500SLK21](#) [70177-1011](#) [F03-03 HAS C](#) [F03-31](#) [81550401](#) [FT1A-C12RA-W](#) [88981106](#) [H2CAC24A](#) [H2CRSAC110B](#)  
[R88A-CRGB003CR-E](#) [R88ARR080100S](#) [R88A-TK01K](#) [DCN1-1](#) [DRT2ID08C](#) [DTB4896VRE](#) [DTB9696CVE](#) [DTB9696LVE](#) [E53-AZ01](#)  
[E53E01](#) [E53E8C](#) [E5C4Q40J999FAC120](#) [E5CWLQ1TCAC100240](#) [E5GNQ03PFLKACDC24](#) [B300LKL21](#) [NSCXDC1V3](#) [NSH5-232CW-3M](#)  
[NT20SST122BV1](#) [NV-CN001](#) [OAS-160-N](#) [C40PEDRA](#) [K31S6](#) [K33-L1B](#) [K3MA-F](#) [100-240VAC](#) [K3TX-AD31A](#) [89750101](#) [L595020](#)  
[SRM1-C02](#) [SRS2-1](#) [FT1A-C14SA-S](#) [G32X-V2K](#) [26546803](#) [26546805](#) [PWRA440A](#) [CPM1AETL03CH](#) [CV500SLK11](#) [3G2A5BI081](#)  
[3G2A5IA122](#) [3G2A5LK010E](#) [3G2A5OA223](#)