

IB IL AO 1/SF - Inline terminal

2726298

<https://www.phoenixcontact.com/ca/products/2726298>



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Inline analog output terminal, without accessories, 1 output, 0 - 20 mA, 4 - 20 mA, 0 - 10 V, 2-conductor connection technology

Product description

The terminal is designed for use within an Inline station. It is used to output analog current and voltage signals.

Commercial data

Item number	2726298
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	D23
Product key	DRI142
Catalog page	Page 80 (AX-2007)
GTIN	4017918168131
Weight per piece (including packing)	150.8 g
Weight per piece (excluding packing)	132.3 g
Customs tariff number	85389091
Country of origin	DE

Technical data

Product properties

Type	modular
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System properties

Module

ID code (dec.)	125
ID code (hex)	7D
Length code (hex)	01
Length code (dec)	01
Input address area	0 Byte
Output address area	2 Byte
Register length	16 bit
Required parameter data	4 Byte

Electrical properties

Potentials: Communications power (U_L)

Supply voltage	7.5 V DC (via voltage jumper)
Current draw	max. 40 mA
	typ. 30 mA

Potentials: Supply of analog modules (U_{ANA})

Supply voltage	24 V DC (via voltage jumper)
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Current draw	max. 65 mA
	typ. 50 mA

Electrical isolation/isolation of the voltage ranges

Test voltage: 7.5 V supply (bus logic), 24 V supply U_{ANA} / I/O	500 V AC, 50 Hz, 1 min.
Test voltage: 7.5 V supply (bus logic), 24 V supply U_{ANA} / functional ground	500 V AC, 50 Hz, 1 min.
Test voltage: 24 V supply (I/O) / functional ground	500 V AC, 50 Hz, 1 min.

Output data

Analog:

Output name	Analog outputs
Connection technology	2-conductor (shielded)
Number of outputs	1
D/A conversion time	< 100 μ s
D/A converter resolution	16 bit
Protective circuit	Transient protection of outputs
Representation of output values	16 bits (15 bits + sign)

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DAC resolution	16 bit
Process data update	< 1 ms
Current output signal	0 mA ... 20 mA 4 mA ... 20 mA
Load/output load current output	> 500 Ω
Voltage output signal	0 V ... 10 V
Load/output load voltage output	> 2 k Ω 0.05 %

Connection data

Inline connector

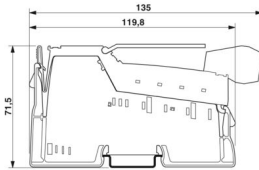
Connection method	Spring-cage connection
Conductor cross section, rigid	0.08 mm ² ... 1.5 mm ²
Conductor cross section, flexible	0.08 mm ² ... 1.5 mm ²
Conductor cross section AWG	28 ... 16

Interfaces

Inline local bus

Number of interfaces	2
Connection method	Inline data jumper
Transmission speed	500 kbps
Transmission physics	Copper

Dimensions

Dimensional drawing	
Width	24.4 mm
Height	119.8 mm
Depth	71.5 mm

Material specifications

Color	green
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Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-25 °C ... 55 °C
Degree of protection	IP20
Air pressure (operation)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Air pressure (storage/transport)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Ambient temperature (storage/transport)	-25 °C ... 85 °C

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Permissible humidity (operation)	10 % ... 95 % (according to DIN EN 61131-2)
Permissible humidity (storage/transport)	10 % ... 95 % (according to DIN EN 61131-2)

Standards and regulations

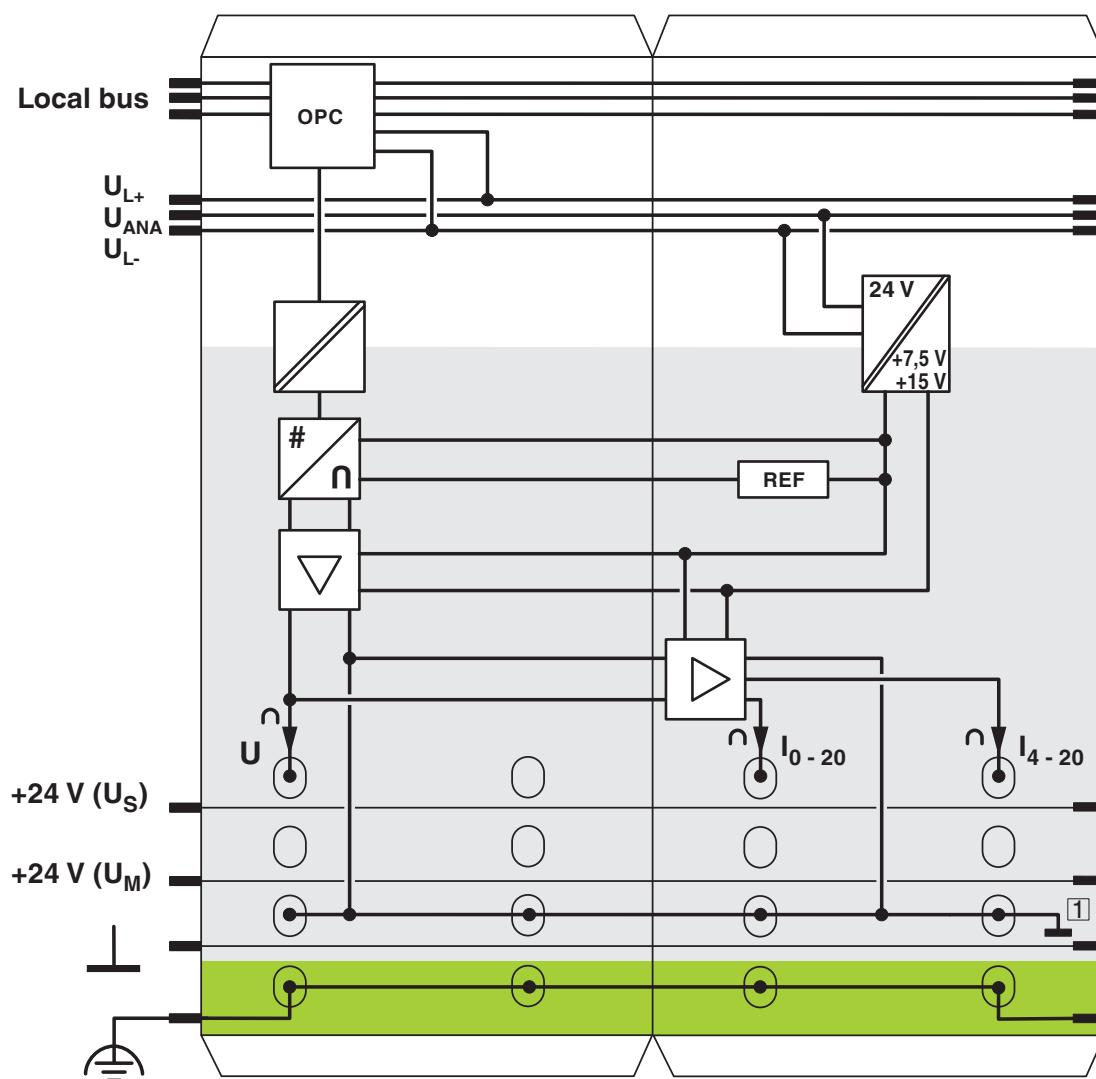
Protection class	III (IEC 61140, EN 61140, VDE 0140-1)
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Mounting

Mounting type	DIN rail mounting
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Drawings

Block diagram



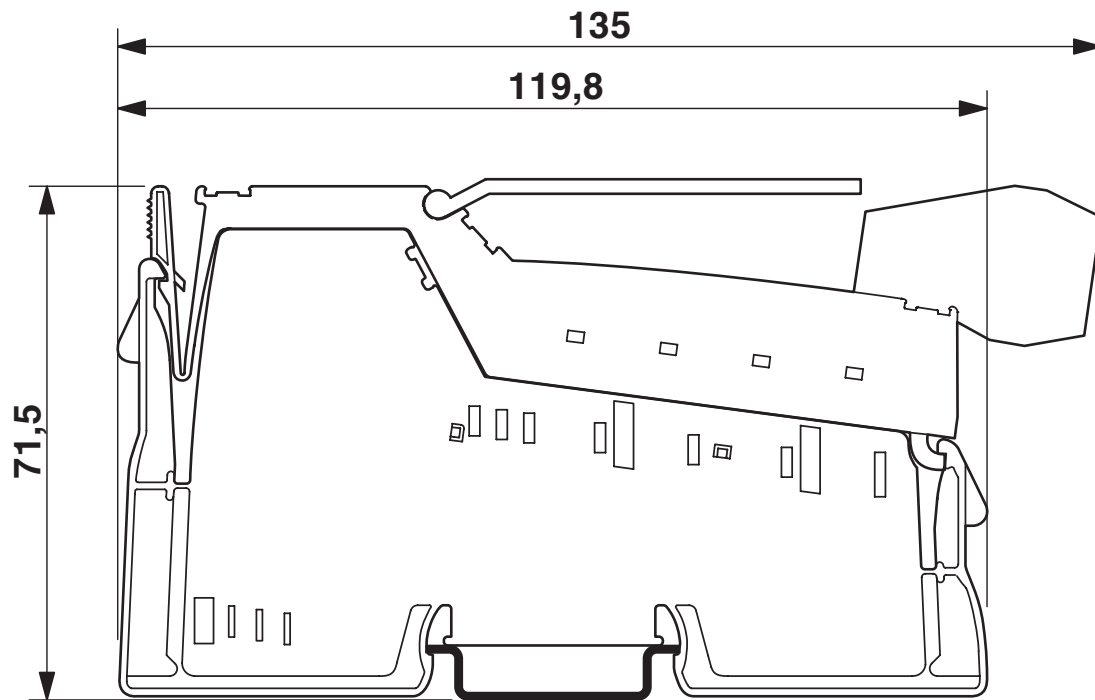
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Dimensional drawing



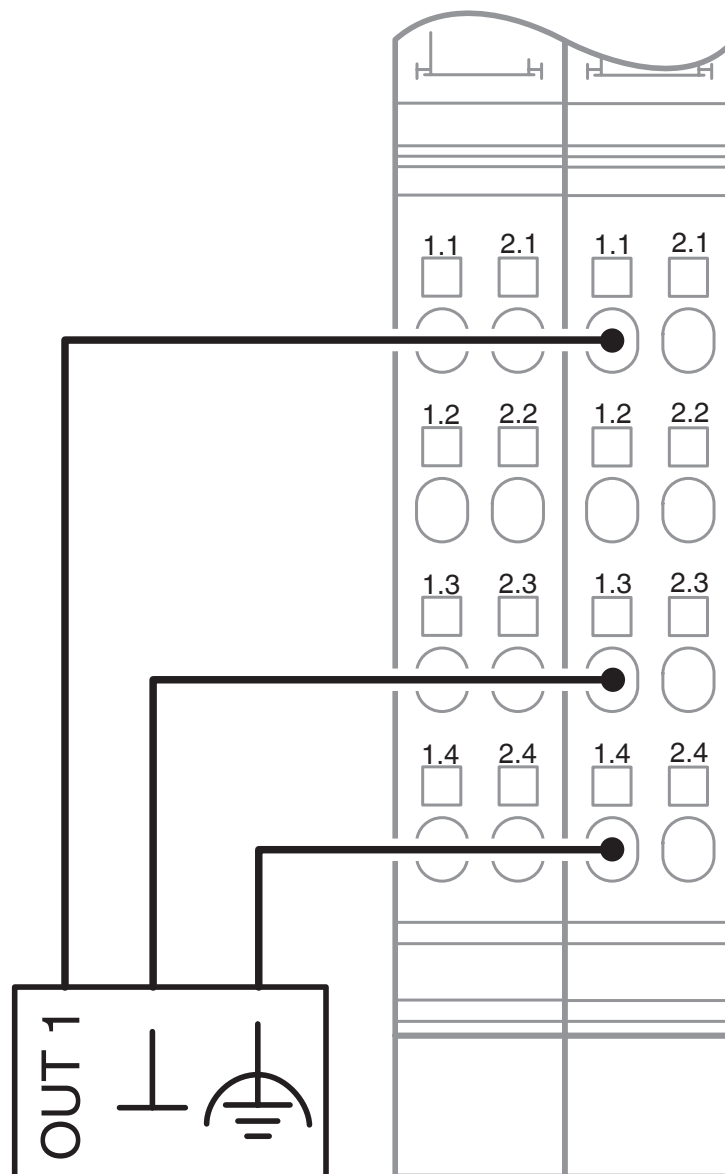
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Connection diagram



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Environmental product compliance

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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Accessories

IB IL AO/CNT-PLSET - Connector set

2732664

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Connector set

IB IL FIELD 2 - Marking field

2727501

<https://www.phoenixcontact.com/ca/products/2727501>



Marking field, width: 12.2 mm

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ESL 62X10 - Insert strip

0809492

<https://www.phoenixcontact.com/ca/products/0809492>

Insert strip, Sheet, white, unlabeled, can be labeled with: Office printing systems, CMS-P1-PLOTTER, mounting type: insert, lettering field size: 62 x 10 mm, Number of individual labels: 72



IB IL SCN-6 SHIELD - Inline shield connector

2726353

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Inline shield connector



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IB IL SCN-8 - Inline connector

2726337

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Connector, for digital 1, 2 or 8-channel Inline terminals



IB IL SCN-8-CP - Inline connector

2727608

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Inline connector, colored



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ZBF 6:UNBEDRUCKT - Zack Marker strip, flat

0808710

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Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 5.15 x 6.15 mm, Number of individual labels: 10

ZBFM 6/WH:UNBEDRUCKT - Flat zack marker sheet

0803618

<https://www.phoenixcontact.com/ca/products/0803618>



Flat zack marker sheet, Sheet, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 5 x 5.5 mm, Number of individual labels: 100

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X-PEN 0,35 - Marker pen

0811228

<https://www.phoenixcontact.com/ca/products/0811228>



Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm

B-STIFT - Marker pen

1051993

<https://www.phoenixcontact.com/ca/products/1051993>



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

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