

Inline function terminal - IB IL TEMPCON 300 UTH-PAC



2819671

<https://www.phoenixcontact.com/us/products/2819671>

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Inline temperature controller, complete with accessories (connector and labeling field) with 8 thermocouple inputs, 8 binary outputs, 1 input for recording the total current of heating elements, can be expanded to 30 control circuits with Inline temperature measurement terminals.

Your advantages

- The Inline multi-channel temperature controller is a freely parameterizable slave for the Inline installation system.
- Can be extended by up to 30 closed-loop control circuits using additional temperature measurement terminals.
- Transmission speed 500 kbps

Commercial Data

Item number	2819671
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Sales Key	C21
Product Key	DRI191
Catalog Page	Page 201 (AX-2011)
GTIN	4017918974411
Weight per Piece (including packing)	257.1 g
Weight per Piece (excluding packing)	247.3 g
Customs tariff number	90328900
Country of origin	GB

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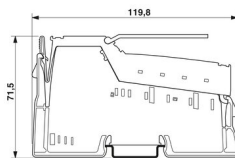


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Technical Data

Dimensions

Dimensional drawing	
Width	48.8 mm
Height	119.8 mm
Depth	71.5 mm

Interfaces

Inline local bus

Connection method	Inline data jumper
Transmission speed	500 kbps

Configuration interface

Connection method	V.24
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System properties

Module

ID code (dec.)	221
ID code (hex)	DD
Length code (hex)	06
Length code (dec)	06
Process data channel	32 Bit
Input address area	4 Byte
Output address area	4 Byte
Register length	96 Bit
Required parameter data	1 Byte
Required configuration data	5 Byte

Output data

Output voltage	24 V DC
Output current	70 mA (short-circuit-proof)

Product properties

Type	modular
Product type	I/O component
No. of channels	8

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Number of plugs	4
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Electrical properties

No. of channels	8
Test section	7.5 V supply (bus logics)/24 V supply (I/O) 500 V AC 50 Hz 1 min. 24 V supply (I/O) / functional ground 500 V AC 50 Hz 1 min.

Supply

Supply voltage	24 V DC
Max. current consumption	600 mA
Typical current consumption	90 mA

Connection data

Connection technology

Connection name	Inline connector
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Conductor connection

Connection method	Spring-cage connection
Conductor cross section solid	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

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

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	75% average, 85% seldom
Permissible humidity (storage/transport)	75% average, 85% seldom

Mounting

Mounting type	DIN rail mounting
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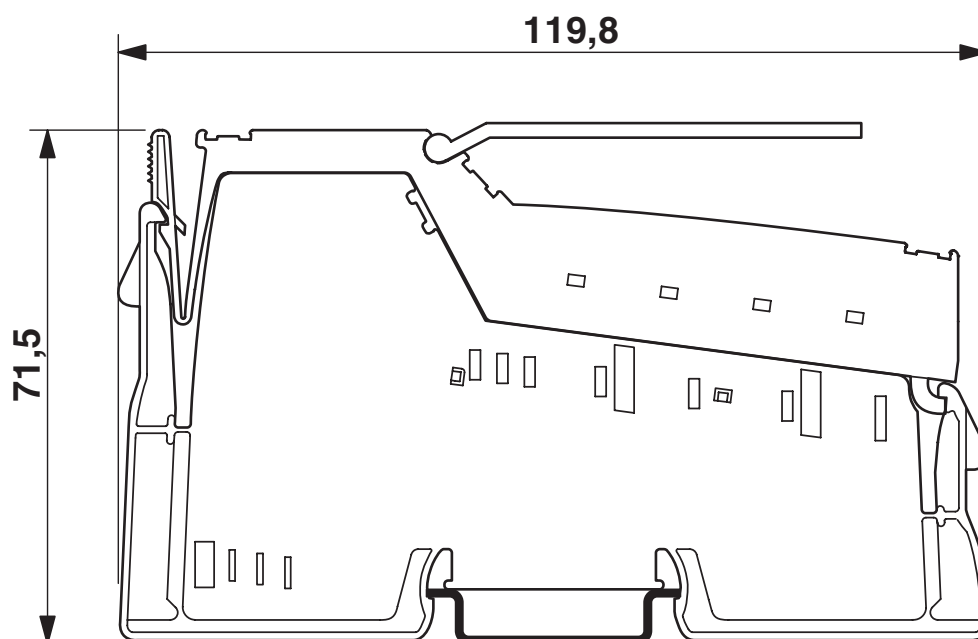
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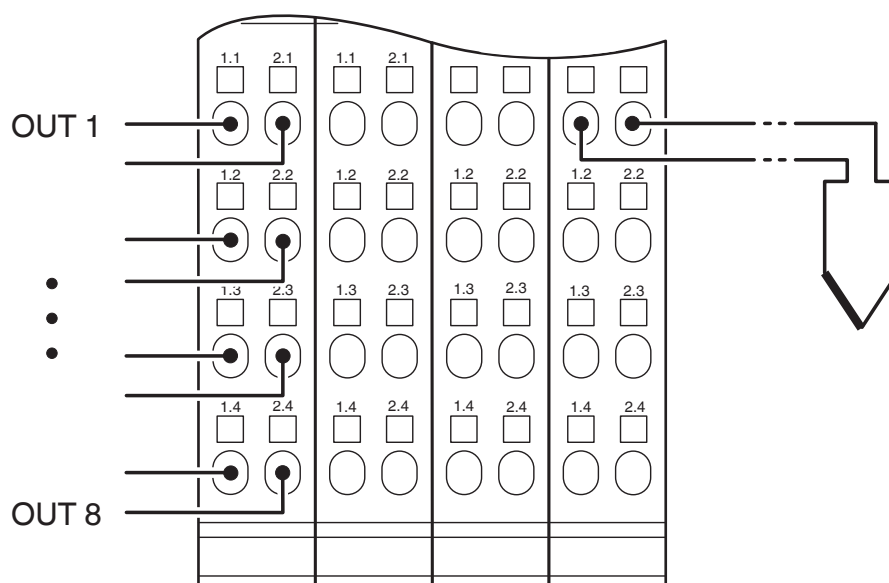
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Drawings

Dimensional drawing



Connection diagram



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Approvals



UL Listed

Approval ID: FILE E 238705



cUL Listed

Approval ID: FILE E 238705

cULus Listed

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Classifications

ECLASS

ECLASS-9.0	27242605
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Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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Accessories

Inline connector

Inline connector - IB IL SCN-8 - 2726337

<https://www.phoenixcontact.com/us/products/2726337>

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



Labeling field

Labeling field - IB IL FIELD 8 - 2727515

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Labeling field, width: 48.8 mm



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Insert strip

Insert strip - ESL 62X46 - 0809502

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Insert strip, Sheet, white, unlabeled, can be labeled with: Office printing systems: Laser printer, mounting type: insert, lettering field size: 62 x 46 mm, Number of individual labels: 15



License key

License key - IB IL TEMPCONTROL - 2819370

<https://www.phoenixcontact.com/us/products/2819370>

License key for using the engineering tools for the multi-channel process controllers of type: IB IL TEMPCON 300, including interface cable TEMPCON CAB-V24. The software must also be downloaded.



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Interface cable

Interface cable - TEMPCON CAB-V24 - 2819419

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Interface cable for Inline temperature controllers (IB IL TEMPCON ...), single



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