

# IB IL TEMPCON 300 RTD-B-PAC - Inline function terminal



2819590

<https://www.phoenixcontact.com/us/products/2819590>

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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, limited to 4 control circuits with Inline temperature measurement terminals.

## Your advantages

- Transmission speed 500 kbps
- The Inline multi-channel temperature controller is a freely parameterizable slave for the Inline installation system.
- Limited to 4 closed-loop control circuits

## Commercial data

Item number	2819590
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DR01
Product key	DRI191
GTIN	4017918974367
Weight per piece (including packing)	270.8 g
Weight per piece (excluding packing)	270.8 g
Customs tariff number	85389091
Country of origin	GB

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## Technical data

### Dimensions

Dimensional drawing	
Width	48.8 mm
Height	136.8 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

Product type	I/O component
Product family	Inline
Type	modular

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No. of channels	4
Number of plugs	4

## Electrical properties

Test section	7.5 V supply (bus logics)/24 V supply (I/O) 500 V AC 50 Hz 1 min
	Analog inputs/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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### Inline connector

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

## Environmental and real-life conditions

### 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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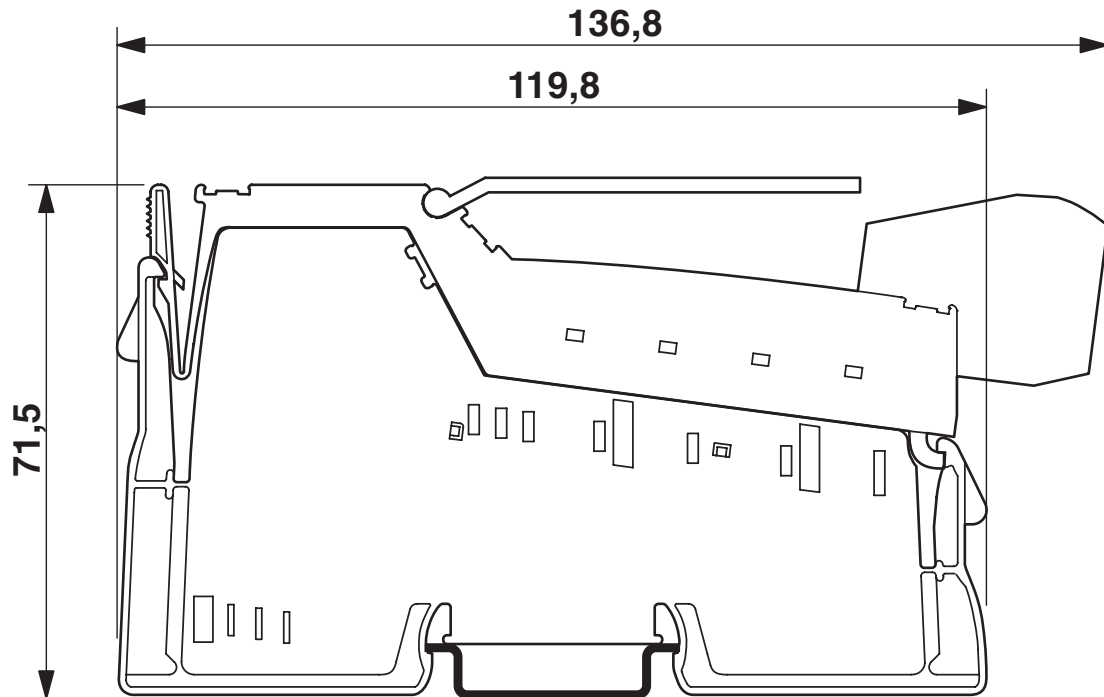
# IB IL TEMPCON 300 RTD-B-PAC - Inline function terminal

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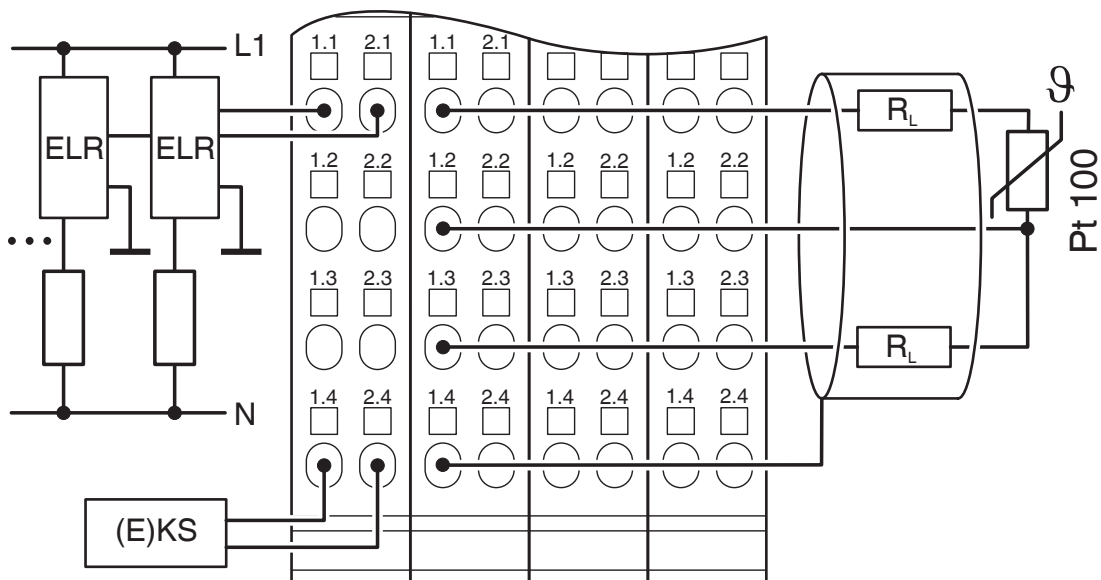
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## Drawings

Dimensional drawing



Connection diagram



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## Environmental product compliance

### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

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