

IB IL TEMPCON 300 RTD-PAC - Inline function terminal

2819668

<https://www.phoenixcontact.com/us/products/2819668>

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Inline temperature controller, complete with accessories (connector and labeling field) with 6 resistance thermometer inputs, 6 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

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

Commercial data

Item number	2819668
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DR01
Product key	DRI191
GTIN	4017918974404
Weight per piece (including packing)	282.9 g
Weight per piece (excluding packing)	282.9 g
Customs tariff number	90328900
Country of origin	DE

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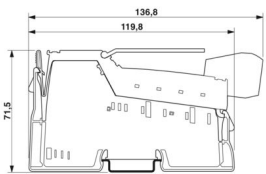


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Technical data

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

Programming data (LocalbusSlave)

Length code (hex)	06
ID code (dec.)	221
Length code (dec)	06
Process data channel	32 bit
Input address area	4 Byte
Output address area	4 Byte
Parameter channel (PCP)	64 bit
Register length (bus)	96 bit

Fieldbus data telegram

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

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Type	modular
No. of channels	6
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
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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 ² ... 1.5 mm ²
Conductor cross-section, flexible	0.08 mm ² ... 1.5 mm ²
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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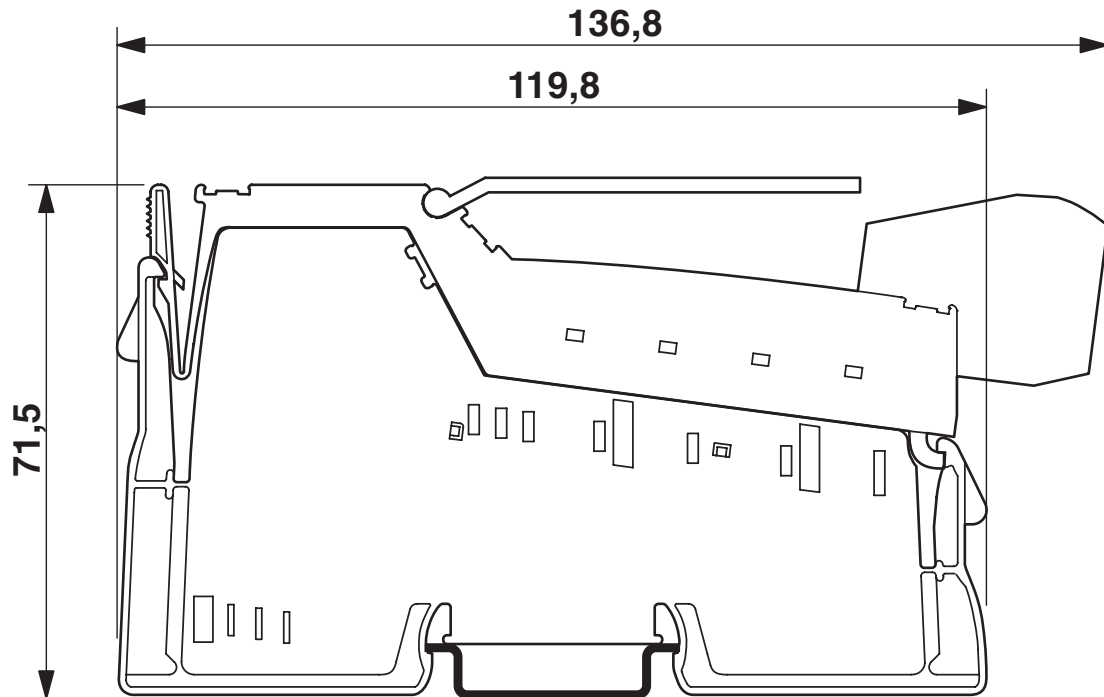
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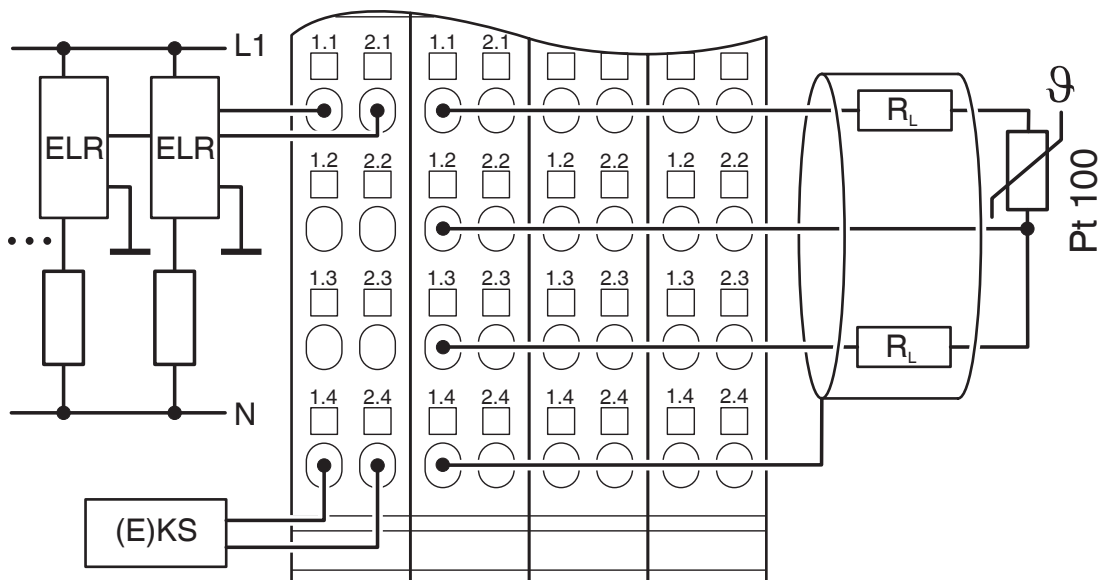
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Drawings

Dimensional drawing



Connection diagram



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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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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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