

# IB IL TEMPCON RTD-PAC - Inline function terminal



2861771

<https://www.phoenixcontact.com/us/products/2861771>

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Inline temperature regulators, complete with accessories (connector and labeling field), 6 inputs for resistance thermometers, 6 outputs, 24 V DC, 3-wire connection method



## Your advantages

- 6 analog inputs for Pt 100 according to DIN EN 60751
- 6 outputs, 24 V DC / 70 mA
- Can be configured as a 2-step controller, 3-step controller, motor step controller or signaling device (threshold value switch)
- Self-tuning
- Heating current and closed-loop control circuit monitoring
- Configuration via engineering tool (configuration software)

## Commercial data

Item number	2861771
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DR01
Product key	DRI191
GTIN	4017918894535
Weight per piece (including packing)	246.6 g
Weight per piece (excluding packing)	122 g
Customs tariff number	85389091
Country of origin	DE

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## Technical data

### Dimensions

Dimensional drawing	
Width	48.8 mm
Height	136.8 mm
Depth	71.5 mm

### Notes

#### Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area
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### 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.)	191
ID code (hex)	BF
Length code (hex)	02
Length code (dec)	02
Process data channel	32 bit
Input address area	4 Byte
Output address area	4 Byte
Register length	32 bit
Required parameter data	1 Byte
Required configuration data	5 Byte

### Output data

Output voltage	24 V DC
Output current	70 mA

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## Product properties

Product type	I/O component
Product family	Inline
Type	modular
No. of channels	6

## Electrical properties

Test section	5 V supply, incoming remote bus/7.5 V supply (bus logics) 500 V AC 50 Hz 1 min
	5 V supply, outgoing remote bus/7.5 V supply (bus logics) 500 V AC 50 Hz 1 min
	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
	Analog inputs/bus logics 500 V AC 50 Hz 1 min
	Analog inputs / 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
Communications power $U_L$	7.5 V DC
Max. current consumption	4 A
Typical current consumption	250 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
Stripping length	8 mm

## Environmental and real-life conditions

### Ambient conditions

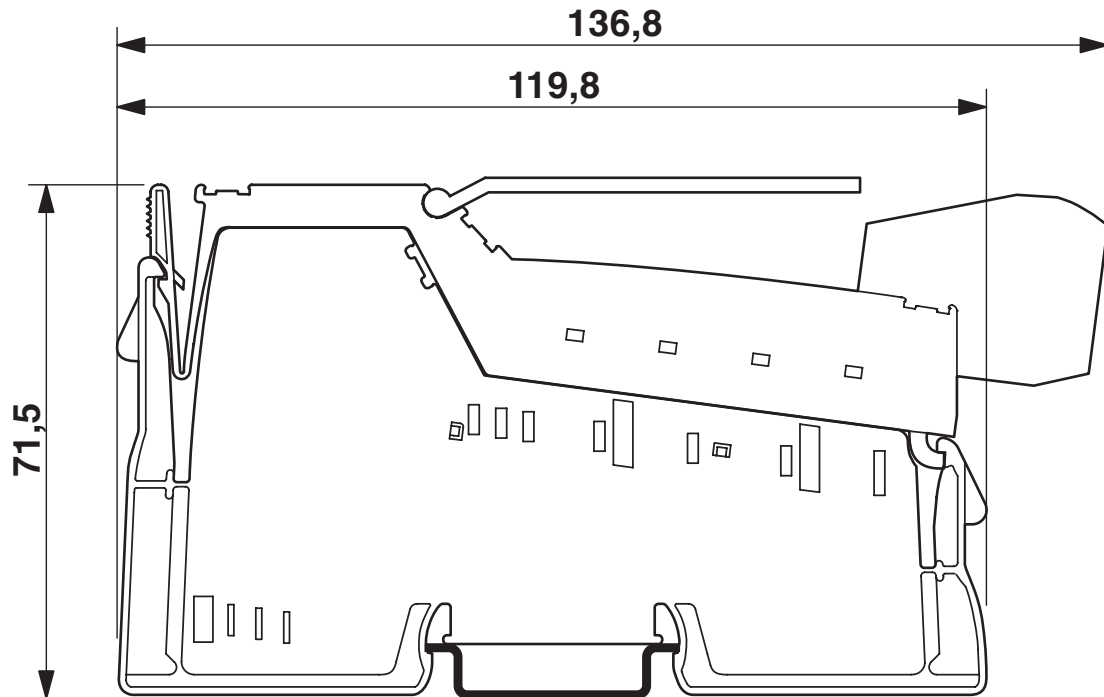
Degree of protection	IP20
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## Mounting

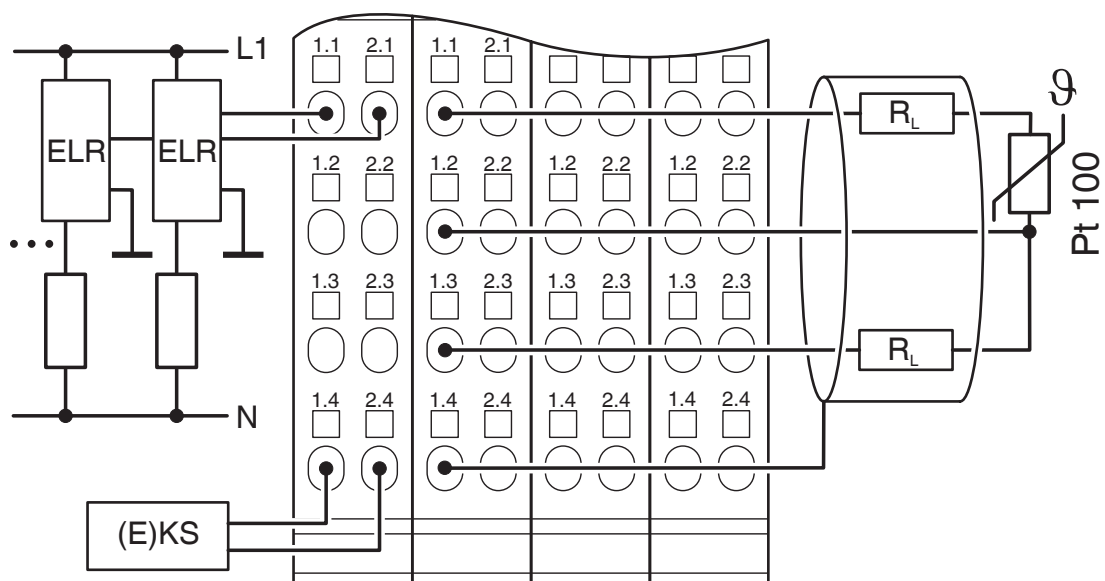
Mounting type	DIN rail mounting
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## Drawings

Dimensional drawing



Connection diagram



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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 7(a), 7(c)-I

### China RoHS

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

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)