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# IB IL TEMP CON UTH-PAC

Order No.: 2861807



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2861807>

Inline temperature regulators, complete with accessories (connector and labeling field), 8 inputs for thermocouples, 8 outputs, 24 V DC, 2-wire connection method

## Commercial data

GTIN (EAN)	
Note	Made-to-order
sales group	K413
Pack	1 pcs.
Customs tariff	85389091
Catalog page information	Page 53 (AX-2005)

<http://www.download.phoenixcontact.com>  
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

## Technical data

### Interfaces

Interface	Inline local bus
Type of connection	Inline data jumper

### Power supply

Communications power $U_L$	7.5 V DC (via voltage jumper)
Typical current consumption	250 mA
Max. current consumption	4 A

### Electrical isolation

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 earth 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 earth ground 500 V AC 50 Hz 1 min

### Inputs

Number of inputs	8
Connection method	2-wire
Measured value representation	Depends on thermocouple
Measured value resolution	0.1 K
A/D conversion time	Approx. 70 ms

### General data

Degree of protection	IP20
Weight	122 g
Number of connectors	4
Width	48.8 mm
Height	119.8 mm
Depth	71.5 mm
Mounting type	DIN rail
Name	Inline connectors
Type of connection	Spring-cage connection
Conductor cross section solid min.	0.08 mm <sup>2</sup>
Conductor cross section solid max.	1.5 mm <sup>2</sup>
Conductor cross section stranded min.	0.08 mm <sup>2</sup>
Conductor cross section stranded max.	1.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	28
Conductor cross section AWG/kcmil max	16
Connection method	2-wire (shielded)

### Outputs

Number of outputs	8
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Connection method	2-wire (shielded)
Output voltage	24 V DC
Output current	70 mA

#### Inline potential routing

Communications power $U_L$	7.5 V
Current consumption from $U_L$	max. 250 mA
	Typ. 90 mA
Segment supply voltage $U_S$	24 V DC (nominal value)
Current consumption from $U_S$	max. 0.6 A
Current consumption from $U_{ANA}$	Typ. 20 mA

#### Certificates / Approvals



Certification	CUL, GOST, UL
Certification Ex:	CUL-EX LIS, UL-EX LIS

#### Accessories

Item	Designation	Description
2819419	TEMPCON CAB-V24	Interface cable for Inline temperature controllers (IB IL TEMPCON ...), single

#### Literature

2698818	IB IL TEMPCON FUNCTION UM	User manual, German, for setting the controller functions of Inline temperature controllers, only available as a download.
2698821	IB IL TEMPCON FUNCTION UM E	User manual, English, for setting the controller functions of Inline temperature controllers, only available as a download.
2698795	IB IL TEMPCON UTH SYS UM	User manual, German, for Inline temperature controllers, only available as a download.
2698805	IB IL TEMPCON UTH SYS UM E	User manual, English, for Inline temperature controllers, only available as a download.

**Marking**

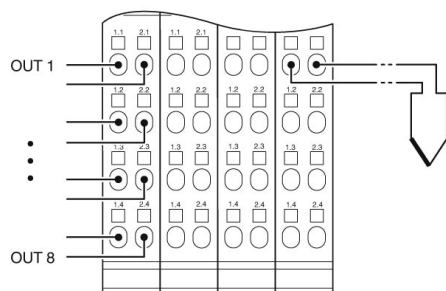
0809492	ESL 62X10	Insert strip for laser printer, lettering field: 62 x 10 mm
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**Software**

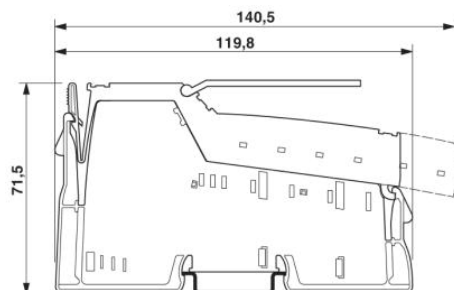
2819370	IB IL TEMPCONTROL	License key for using the engineering tools for the multi-channel process controllers of type: IB IL TEMPCON 300, including interface cable TEMPCON CAB-V24. The software must also be downloaded.
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**Diagrams/Drawings**

Connection diagram



Dimensioned drawing



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