

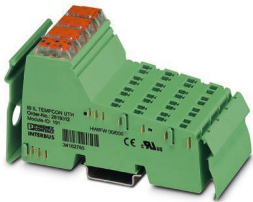
IB IL TEMPCON UTH - Inline function terminal



2819312

<https://www.phoenixcontact.com/us/products/2819312>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Inline temperature controller, without accessories, 8 inputs for thermocouples, 8 outputs, 24 V DC, 2-conductor connection technology

Your advantages

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

Commercial data

Item number	2819312
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	DRI191
GTIN	4017918951016
Weight per piece (including packing)	162 g
Weight per piece (excluding packing)	135.01 g
Customs tariff number	85389091
Country of origin	DE

IB IL TEMPCON UTH - Inline function terminal



2819312

<https://www.phoenixcontact.com/us/products/2819312>

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

System properties

Programming data

Length code (hex)	02
ID code (dec.)	191
Length code (dec)	02
Process data channel	32 bit
Input address area	4 Byte
Output address area	4 Byte
Parameter channel (PCP)	0 bit
Register length (bus)	32 bit

Fieldbus data telegram

Required parameter data	1 Byte
-------------------------	--------

Output data

Output current	70 mA
----------------	-------

Product properties

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

Electrical properties

IB IL TEMPCON UTH - Inline function terminal



2819312

<https://www.phoenixcontact.com/us/products/2819312>

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 of the encoder supply 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

Max. current consumption	4 A
Typical current consumption	250 mA

Connection data

Connection method	Spring-cage connection
-------------------	------------------------

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
----------------------	------

Mounting

Mounting type	DIN rail mounting
---------------	-------------------

IB IL TEMPCON UTH - Inline function terminal

2819312

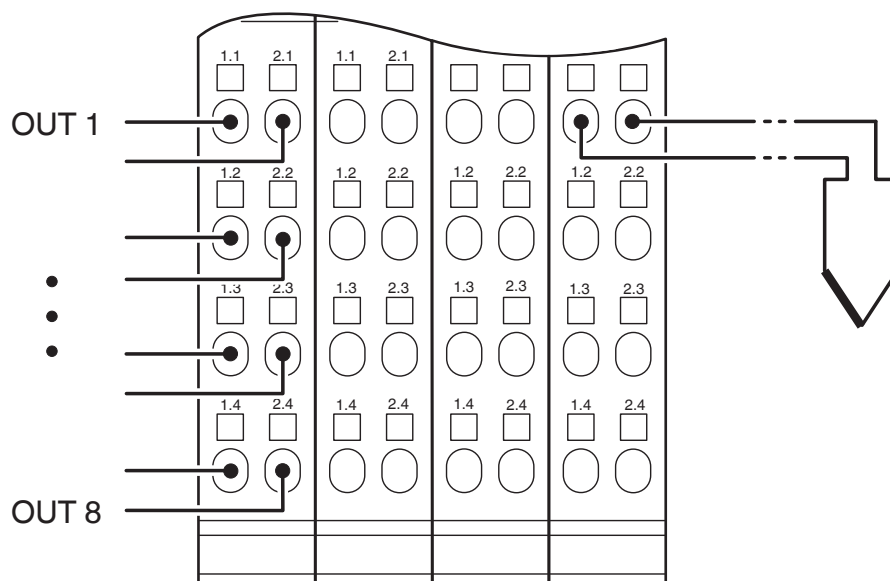
<https://www.phoenixcontact.com/us/products/2819312>

Drawings

Dimensional drawing



Connection diagram



IB IL TEMPCON UTH - Inline function terminal



2819312

<https://www.phoenixcontact.com/us/products/2819312>

Environmental product compliance

EU REACH SVHC

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

Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com