

## Inline function terminal - IB IL TEMP 8 UTH HEI 1 DO8-PAC - 2819697

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Inline temperature measurement terminal, complete with accessories (connector and labeling field) with process data multiplex with 8 thermocouple inputs, 8 binary outputs (24 V, 70 mA), 1 input for recording the total current of heating elements.

### Your advantages

- I/Os for 8 closed-loop control circuits
- Connection of thermocouples according to DIN EN 60584-1 and DIN 43710
- Output for solid-state relay
- Input for heating current acquisition

### Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 980207
GTIN	4017918980207
Weight per Piece (excluding packing)	122.000 g
Custom tariff number	90329000
Country of origin	United Kingdom

### Technical data

#### Dimensions

Width	48.8 mm
Height	119.8 mm
Depth	71.5 mm

#### Ambient conditions

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
Degree of protection	IP20

#### General

Mounting type	DIN rail
Color	green

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## Technical data

### General

Net weight	122 g
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### Interfaces

Designation	Inline local bus
Connection method	Inline data jumper
Transmission speed	500 kbps
Transmission physics	Copper

### Inline potentials

Designation	Communications power ( $U_L$ )
Supply voltage	7.5 V DC (via voltage jumper)
Current consumption	typ. 90 mA
	max. 150 mA
Designation	Supply of analog modules ( $U_{ANA}$ )
Supply voltage	24 V DC (via voltage jumper)
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Current consumption	typ. 20 mA
	max. 30 mA
Designation	Segment circuit supply ( $U_S$ )
Supply voltage	24 V DC (via voltage jumper)
Supply voltage range	19.2 V DC ... 30 V DC
Current consumption	max. 600 mA

### Analog inputs

Number of inputs	8
Input name	Analog UTH inputs
Connection method	Spring-cage connection
Connection technology	2-wire (floating)
Sensor types that can be used (TC)	B, C, D, E, J, K, L, N, R, S, T
Measured value representation	Depends on thermocouple
A/D conversion time	max. 225 ms

### Digital outputs

Output name	Digital outputs
Number of outputs	8
Output voltage	24 V DC
Output current	70 mA (short-circuit-proof)

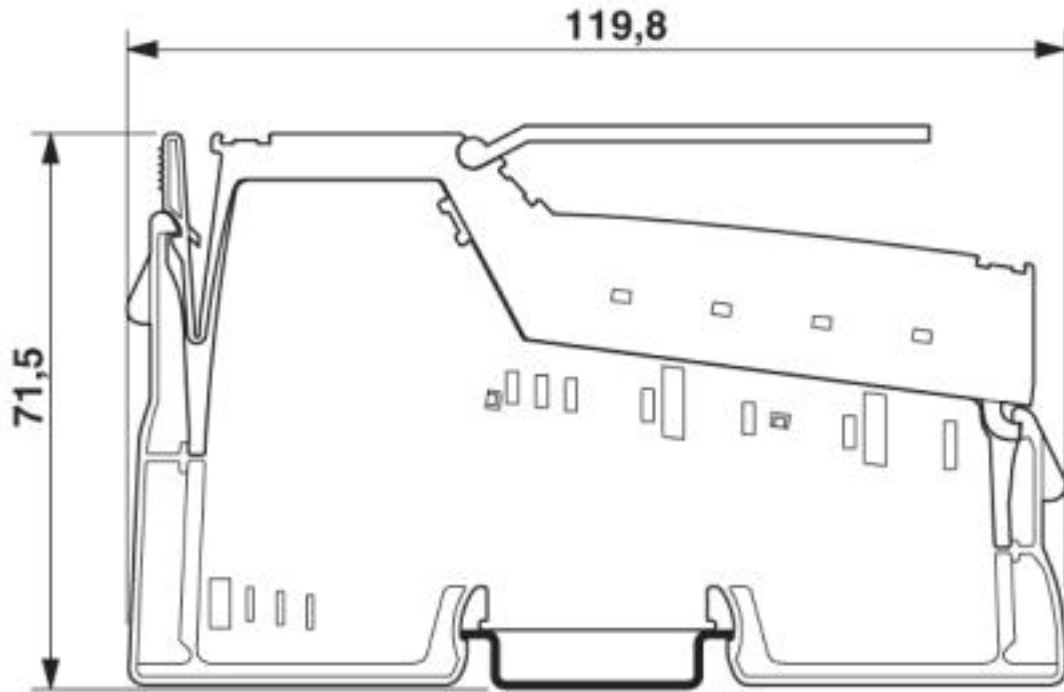
### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Drawings

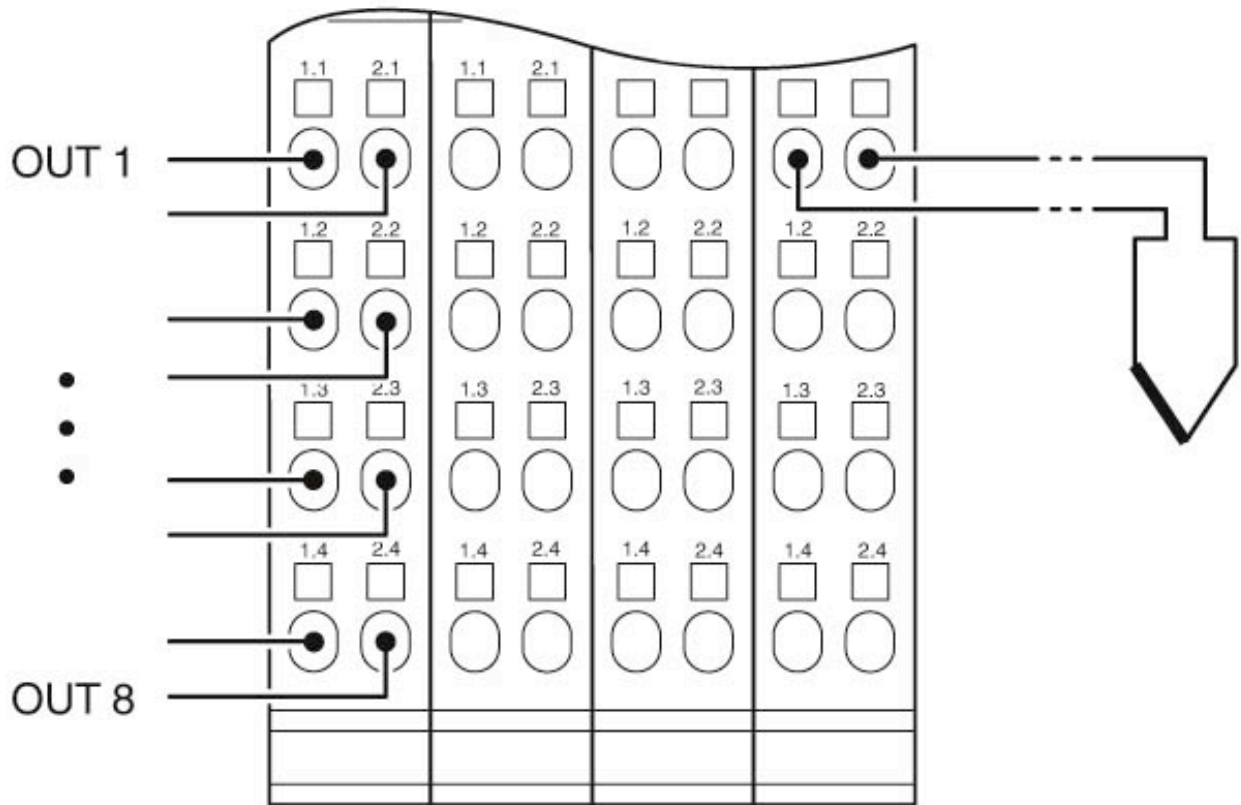
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Dimensional drawing



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Connection diagram



## Classifications

### eCl@ss

eCl@ss 4.0	27250300
eCl@ss 4.1	27250300
eCl@ss 5.0	27250300
eCl@ss 5.1	27242600
eCl@ss 6.0	27242600
eCl@ss 7.0	27242601
eCl@ss 8.0	27242601
eCl@ss 9.0	27242601

### ETIM

ETIM 2.0	EC001433
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### Classifications

#### ETIM

ETIM 3.0	EC001601
ETIM 4.0	EC001601
ETIM 5.0	EC001596
ETIM 6.0	EC001596
ETIM 7.0	EC001596

#### UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	32151602

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