

Inline function terminal - IB IL TEMPCON RTD-PAC - 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

Product Features

- 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)



Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	246.6 g
Custom tariff number	85389091
Country of origin	Germany

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Dimensions

Width	48.8 mm
Height	136.8 mm
Depth	71.5 mm

Ambient conditions

Degree of protection	IP20
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Technical data

General

Weight	122 g
Mounting type	DIN rail
Designation	Inline connector
Connection method	Spring-cage connection
Conductor cross section solid min.	0.08 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section flexible min.	0.08 mm ²
Conductor cross section flexible max.	1.5 mm ²
Conductor cross section AWG min.	28
Conductor cross section AWG max.	16
Connection method	3-conductor (shielded)

Interfaces

Interface	Inline local bus
Connection method	Inline data jumper
Transmission speed	500 kBit/s

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.

Inline potentials

Communications power U_L	7.5 V
Current consumption from U_L	max. 150 mA
	typ. 90 mA
Segment circuit supply U_S	24 V DC (nominal value)
Current consumption from U_S	max. 0.5 A
Current consumption from U_{ANA}	typ. 20 mA

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Technical data

Inputs

Number of inputs	6
Connection method	4-wire
Measured value representation	-200°C ... 850°C
Measured value resolution	0.1 K
A/D conversion time	approx. 70 ms
Number of inputs	6

Outputs

Number of outputs	6
Connection method	3-conductor (shielded)
Output voltage	24 V DC
Output current	70 mA

Standards and Regulations

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.
Connection in acc. with standard	CUL

Classifications

eCl@ss

eCl@ss 4.0	27250304
eCl@ss 4.1	27250304
eCl@ss 5.0	27250304
eCl@ss 5.1	27242605
eCl@ss 6.0	27242605
eCl@ss 7.0	27242605

ETIM

ETIM 2.0	EC001433
ETIM 3.0	EC001601
ETIM 4.0	EC001601

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Classifications

ETIM

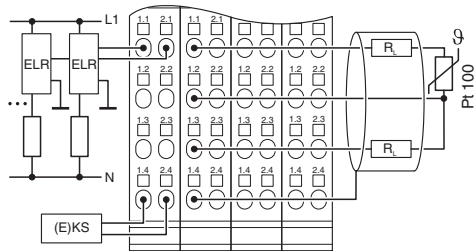
ETIM 5.0	EC001601
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UNSPSC

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

Drawings

Connection diagram



Dimensional drawing

