

IB IL TEMPCON 300 RTD-2MBD-PAC - Inline function terminal



2819820

<https://www.phoenixcontact.com/us/products/2819820>

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Inline temperature controller, complete with accessories (connector and labeling field) with 6 resistance thermometer inputs, 6 binary outputs, 1 input for recording the total current of heating elements, expandable to 30 control circuits, transfer rate 2Mbaud.

Product description

Inline terminals with "2 MBD" added to their item designation work with a transmission speed of 2 Mbps. These terminal blocks are discontinued or no longer in the range. If you require this transmission speed, please ask your local Phoenix Contact representative. If you can work with a transmission speed of 500 kbps, select as a replacement the corresponding variant that does not have "2MBD" added to its item designation. Please note that a uniform transmission speed must always be used within one inline station.

Your advantages

- Can be extended by up to 30 closed-loop control circuits using additional temperature measurement terminals.
- The Inline multi-channel temperature controller is a freely parameterizable slave for the Inline installation system.
- Transmission speed 2 Mbps

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 2819820 |
| Packing unit | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | NULL |
| Product key | DRI191 |
| GTIN | 4046356123112 |
| Weight per piece (including packing) | 273.5 g |
| Weight per piece (excluding packing) | 273.5 g |
| Customs tariff number | 85389091 |
| Country of origin | DE |

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Technical data

Dimensions

| | |
|--------|----------|
| Width | 48.8 mm |
| Height | 136.8 mm |
| Depth | 71.5 mm |

Interfaces

Inline local bus

| | |
|--------------------|--------------------|
| Connection method | Inline data jumper |
| Transmission speed | 2 Mbps |

System properties

Programming data (LocalbusSlave)

| | |
|-------------------------|--------|
| Length code (hex) | 06 |
| ID code (dec.) | 221 |
| Length code (dec) | 06 |
| Process data channel | 32 bit |
| Input address area | 4 Byte |
| Output address area | 4 Byte |
| Parameter channel (PCP) | 64 bit |
| Register length (bus) | 96 bit |

Fieldbus data telegram

| | |
|-----------------------------|--------|
| Required parameter data | 1 Byte |
| Required configuration data | 5 Byte |

Product properties

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

Connection data

Connection technology

| | |
|-----------------|------------------|
| Connection name | Inline connector |
|-----------------|------------------|

Inline connector

| | |
|-----------------------------------|--|
| Connection method | Spring-cage connection |
| Conductor cross-section, rigid | 0.08 mm ² ... 1.5 mm ² |
| Conductor cross-section, flexible | 0.08 mm ² ... 1.5 mm ² |
| Conductor cross-section AWG | 28 ... 16 |

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Environmental and real-life conditions

Ambient conditions

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

Mounting

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

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Environmental product compliance

China RoHS

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

EU REACH SVHC

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

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