

## Basic terminal block - UM122-FLK16/MB/8 - 2968483

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Module carrier, for accommodating 8 Process Interface modules (PI-...).



### Key Commercial Data

|                                      |         |
|--------------------------------------|---------|
| Packing unit                         | 1 pc    |
| Weight per Piece (excluding packing) | 516.1 g |
| Country of origin                    | Germany |

### Technical data

#### Dimensions

|        |          |
|--------|----------|
| Width  | 125 mm   |
| Height | 127.5 mm |
| Depth  | 92 mm    |

#### Ambient conditions

|   |                  |
|---|------------------|
| Ambient temperature (operation)         | -20 °C ... 60 °C |
| Ambient temperature (storage/transport) | -40 °C ... 75 °C |

#### General

|  |  |
|--|--|
| Nom. voltage                           | 20 V DC ... 35 V DC                                |
| Housing insulation material            | Polyamide PA non-reinforced, polycarbonate PC, PVC |
| Flammability rating according to UL 94 | V0   |
| Color                                  | green  |
| Conformance                            | CE-compliant                                       |

#### Connection data

|              |                             |
|--------------|-----------------------------|
| Connection 1 | To the control system level |
|--------------|-----------------------------|

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### Technical data

#### Connection data

|                                       |   |
|---------------------------------------|---|
| Connection method                     | FLK 16 pin strip                        |
| Conductor cross section flexible min. | 0.2 mm <sup>2</sup>                     |
| Conductor cross section flexible max. | 2.5 mm <sup>2</sup>                     |
| Conductor cross section solid min.    | 0.2 mm <sup>2</sup>                     |
| Conductor cross section solid max.    | 4 mm <sup>2</sup>                       |
| Conductor cross section AWG min.      | 24                                      |
| Conductor cross section AWG max.      | 12                                      |
| Connection 2                          | To the field level                      |
| Connection method                     | 8 PCB screw termination blocks (3-pos.) |
| Conductor cross section flexible min. | 0.2 mm <sup>2</sup>                     |
| Conductor cross section flexible max. | 2.5 mm <sup>2</sup>                     |
| Conductor cross section solid min.    | 0.2 mm <sup>2</sup>                     |
| Conductor cross section solid max.    | 4 mm <sup>2</sup>                       |
| Conductor cross section AWG min.      | 24                                      |
| Conductor cross section AWG max.      | 12                                      |
| Screw thread                          | M3                                      |
| Stripping length                      | 8 mm                                    |
| Tightening torque, min                | 0.5 Nm                                  |
| Tightening torque max                 | 0.6 Nm                                  |

#### Standards and Regulations

|  |              |
|--|--------------|
| Flammability rating according to UL 94 | V0           |
| Conformance                            | CE-compliant |

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141127 |
| eCl@ss 4.1 | 27141127 |
| eCl@ss 5.0 | 27371603 |
| eCl@ss 5.1 | 27371603 |
| eCl@ss 6.0 | 27371603 |
| eCl@ss 7.0 | 27371603 |
| eCl@ss 8.0 | 27371603 |
| eCl@ss 9.0 | 27371603 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000764 |
|----------|----------|

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## Classifications

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001456 |
| ETIM 4.0 | EC001456 |
| ETIM 5.0 | EC001456 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211811 |
| UNSPSC 7.0901 | 39121410 |
| UNSPSC 11     | 39121410 |
| UNSPSC 12.01  | 39121410 |
| UNSPSC 13.2   | 39121410 |

## Accessories

### Accessories

#### Signal isolator - PI-N-UI-UI-AI - 2835859



Non-Ex Analog Input: input isolating amplifier. Isolates and converts analog standard signals. With configurable input/output. 3-way isolated (input/output/supply). Customized configured.

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#### Signal isolator - PI-N-UI-UI-AO - 2835671



Non Ex Analog Output: output signal conditioner. Isolates and converts analog standard signals. With configurable input/output. 3-way isolated (input/output/supply). Configured.

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#### Signal monitoring module - PI-N-NAM/RNO - 2835888



Non-Ex binary input: NAMUR isolation amplifiers. For operating proximity sensors and switches. The binary signals from the field are sent to the control level. Relay output (N/O contact), line fault detection. Electrical isolation.

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## Additional products

## Basic terminal block - UM122-FLK16/MB/8 - 2968483

### Accessories

#### Signal isolator - PI-EX-RPSS-I/I - 2835011



Ex i analog input: Repeater power supply, HART. Feeds intrinsically safe 2- or 3-conductor measuring transducers installed in an Ex area and transmits the 4-20 mA signal to a load in a safe area. Galvanic 3-way isolation (input / output / supply).

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#### Signal isolator - PI-EX-AIS-I/I - 2835626



Ex i analog input: Input isolating amplifier, HART. Sends 4-20 mA signals from externally supplied measuring transducers installed in Ex areas to a load in safe areas. Galvanic 3-way isolation (input / output / supply).

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#### Signal isolator - PI-N-UI-UI-AI - 2835859



Non-Ex Analog Input: input isolating amplifier. Isolates and converts analog standard signals. With configurable input/output. 3-way isolated (input/output/supply). Customized configured.

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#### Signal isolator - PI-EX-ID-I/I - 2835024



Ex i Analog Output: output isolating driver. Isolates and drives 0/4-20mA signals from a controller located in the safe area to a load (I/P converters, control valves, indicators) in the hazardous area. 3-way isolated (input/output/supply).

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#### Signal isolator - PI-EX-IDS-I/I - 2835613



Ex i output signal conditioner, HART-capable. Isolates and sends intrinsically safe 0/4-20 mA signals to a load (I/P converters, control valves, displays) in Ex areas. Galvanic 3-way isolation (input / output / supply). Line fault detection.

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## Basic terminal block - UM122-FLK16/MB/8 - 2968483

### Accessories

#### Signal isolator - PI-N-UI-UI-AO - 2835671



Non Ex Analog Output: output signal conditioner. Isolates and converts analog standard signals. With configurable input/output. 3-way isolated (input/output/supply). Configured.

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#### Signal isolator - PI-EX-NAM/RNO-NE - 2835341



Ex i binary input: NAMUR isolation amplifiers. For operating proximity sensors and switches in Ex areas. The binary signals are transmitted to a safe area. Relay output (N/O contact), line fault detection. Galvanic 3-way isolation.

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#### Signal isolator - PI-EX-NAM/TO - 2835574



Ex i binary input: NAMUR isolation amplifiers. For operating proximity sensors and switches in Ex areas. The binary signals are transmitted to a safe area. Transistor output (active), line fault detection. Electrical isolation.

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#### Signal isolator - PI-EX-NAM/TO-P - 2865117



Ex i binary input: NAMUR isolation amplifiers. For operating proximity sensors and switches in Ex areas. The signals are transmitted to a safe area. Transistor output (passive), line fault detection. Galvanic 3-way isolation.

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#### Signal monitoring module - PI-N-NAM/RNO - 2835888



Non-Ex binary input: NAMUR isolation amplifiers. For operating proximity sensors and switches. The binary signals from the field are sent to the control level. Relay output (N/O contact), line fault detection. Electrical isolation.

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## Basic terminal block - UM122-FLK16/MB/8 - 2968483

### Accessories

Signal converter - PI-EX-RTD-I - 2835066



Ex i resistance thermometer input: Converts signals of Pt 100 resistance thermometers installed in the Ex zone and transfers a 4 mA ... 20 mA signal to a load in the safe zone. Freely programmable. Galvanic 3-way isolation.

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Signal converter - PI-EX-THC-I - 2835079



Ex i thermocouple with mV input: converts signals from thermocouples installed in the Ex area and mV sources and transmits a 4 - 20 mA signal to a load in a safe area. Freely programmable. 3-way electrical isolation. Custom-configured.

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