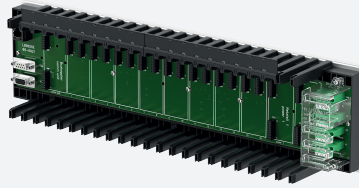


# Base Backplane

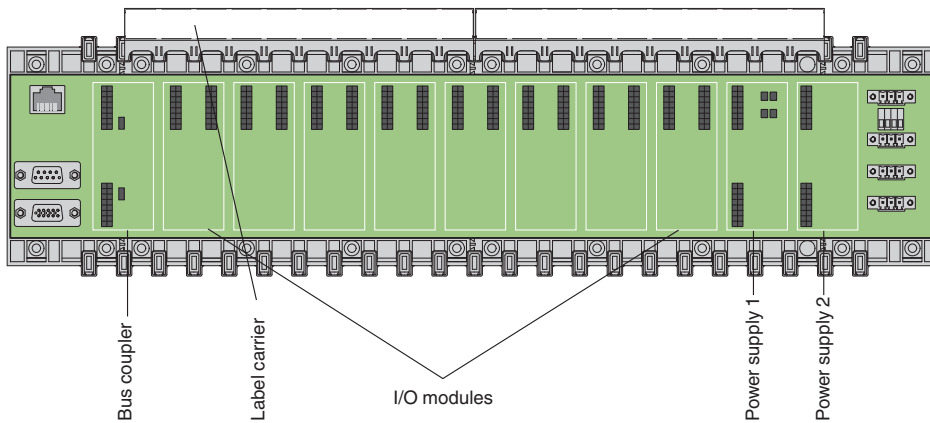
## LB9026BP16210.2.E



- Backplane for LB-System
- For MODBUS TCP/IP
- Max. 16 slots for I/O modules
- Mounting in Zone 2, Class I/Div.2 or in the safe area



### Assembly



### Technical Data

#### General specifications

|                     |                                                             |
|---------------------|-------------------------------------------------------------|
| Suitable components | Extension Backplane LB9027BP16200.2<br>Bus Coupler LB8111A* |
|---------------------|-------------------------------------------------------------|

#### Slots

|                            |         |
|----------------------------|---------|
| Bus coupler                | 1       |
| Supply                     | 2       |
| I/O modules (single width) | max. 16 |
| I/O modules (dual width)   | max. 8  |

#### Supply

|                            |                            |
|----------------------------|----------------------------|
| Maximum safe voltage $U_m$ | 60 V DC (SELV/PELV)        |
| Input voltage range $U$    | 18 ... 32 V DC (SELV/PELV) |
| Redundancy                 | no                         |

#### Fieldbus connection

|               |            |
|---------------|------------|
| Fieldbus type | MODBUS TCP |
| Redundancy    | no         |

#### Directive conformity

|                               |                 |
|-------------------------------|-----------------|
| Electromagnetic compatibility |                 |
| Directive 2014/30/EU          | EN 61326-1:2013 |

#### Conformity

Release date: 2026-05-18 Date of issue: 2026-05-18 Filename: 70175199\_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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 **PEPPERL+FUCHS**

## Technical Data

|                                                                |                                                                                                                                                                                                                                                          |
|----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electromagnetic compatibility                                  | NE 21                                                                                                                                                                                                                                                    |
| Degree of protection                                           | EN 60529                                                                                                                                                                                                                                                 |
| <b>Ambient conditions</b>                                      |                                                                                                                                                                                                                                                          |
| Ambient temperature                                            | -40 ... 60 °C (-40 ... 140 °F) , 70 °C (non-Ex)                                                                                                                                                                                                          |
| Storage temperature                                            | -40 ... 85 °C (-40 ... 185 °F)                                                                                                                                                                                                                           |
| Relative humidity                                              | 95 % non-condensing                                                                                                                                                                                                                                      |
| Altitude                                                       | max. 2000 m                                                                                                                                                                                                                                              |
| Shock resistance                                               | shock type I, shock duration 11 ms, shock amplitude 15 g, number of shocks 18                                                                                                                                                                            |
| Vibration resistance                                           | frequency range 10 ... 150 Hz; transition frequency: 57.56 Hz, amplitude/acceleration $\pm 0.075$ mm/1 g; 10 cycles<br>frequency range 5 ... 100 Hz; transition frequency: 13.2 Hz amplitude/acceleration $\pm 1$ mm/0.7 g; 90 minutes at each resonance |
| Damaging gas                                                   | designed for operation in environmental conditions acc. to ISA-S71.04-1985, severity level G3                                                                                                                                                            |
| <b>Mechanical specifications</b>                               |                                                                                                                                                                                                                                                          |
| Degree of protection                                           | IP20                                                                                                                                                                                                                                                     |
| Mass                                                           | approx. 1370 g                                                                                                                                                                                                                                           |
| Dimensions                                                     | (W x H x D)<br>440 x 127 x 80 mm (17.3 x 5 x 3.15 inch) , without modules                                                                                                                                                                                |
| Height                                                         | 127 mm                                                                                                                                                                                                                                                   |
| Width                                                          | 440 mm                                                                                                                                                                                                                                                   |
| Depth                                                          | 80 mm                                                                                                                                                                                                                                                    |
| <b>Data for application in connection with hazardous areas</b> |                                                                                                                                                                                                                                                          |
| Certificate                                                    | BVS 16 ATEX E 089 X                                                                                                                                                                                                                                      |
| Marking                                                        | Ⓔ II 3G Ex ec IIC T4 Gc                                                                                                                                                                                                                                  |
| Directive conformity                                           |                                                                                                                                                                                                                                                          |
| Directive 2014/34/EU                                           | EN IEC 60079-0:2018+AC:2020<br>EN 60079-7:2015+A1:2018                                                                                                                                                                                                   |
| <b>International approvals</b>                                 |                                                                                                                                                                                                                                                          |
| IECEx approval                                                 | BVS 09.0037X                                                                                                                                                                                                                                             |
| Approved for                                                   | Ex ec IIC T4 Gc                                                                                                                                                                                                                                          |
| <b>General information</b>                                     |                                                                                                                                                                                                                                                          |
| Supplementary information                                      | Observe the certificates, declarations of conformity, instruction manuals, and manuals where applicable. For information see <a href="http://www.pepperl-fuchs.com">www.pepperl-fuchs.com</a> .                                                          |