

## Features

- Backplane for LB-System
- Fieldbus type determined by base backplane
- Max. 8 slots for I/O modules
- Mounting in Zone 2, Class I/Div.2 or in the safe area

## Technical data

### General specifications

Suitable components Backplane LB9023BP08110.0.E , LB9023BP08110.1

### Slots

Supply 1

I/O modules (single width) max. 8

I/O modules (dual width) max. 4

### Supply

Maximum safe voltage  $U_m$  60 V DC (SELV/PELV)

Input voltage range  $U$  18 ... 32 V DC (SELV/PELV)

Redundancy no

### Fieldbus interface

Fieldbus type PROFIBUS DP/DP-V1, PROFINET or MODBUS RTU/TCP, depending on the base backplane

Redundancy no

### Directive conformity

Electromagnetic compatibility

Directive 2014/30/EU EN 61326-1:2006

### Conformity

Electromagnetic compatibility NE 21

Degree of protection EN 60529

### Ambient conditions

Ambient temperature -20 ... 60 °C (-4 ... 140 °F), 70 °C (non-Ex)

Storage temperature -25 ... 85 °C (-13 ... 185 °F)

Relative humidity 95 % non-condensing

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  
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

### Mechanical specifications

Degree of protection IP20

Mass approx. 980 g

Dimensions (W x H x D)  
275 x 127 x 80 mm (10.8 x 5 x 3.15 inch), without modules

### Data for application in connection with hazardous areas

Certificate BVS 16 ATEX E 089 X

Marking II 3 G Ex nA IIC T4 Gc

Directive conformity

Directive 2014/34/EU EN 60079-0:2009  
EN 60079-15:2010

### International approvals

UL approval E106378

Control drawing 116-0321

Approved for cUL (Canada): CL I Zn. 2 IIC; IS circuits for CL I Zn. 0 IIC  
ULus (USA): CL I Div. 2 Grp. A, B, C, D; IS circuits for CL I, II, III Div. 1 Grp. A, B, C, D, E, F, G

IECEX approval IECEX BVS 16.0047X

Approved for Ex nA IIC T4 Gc

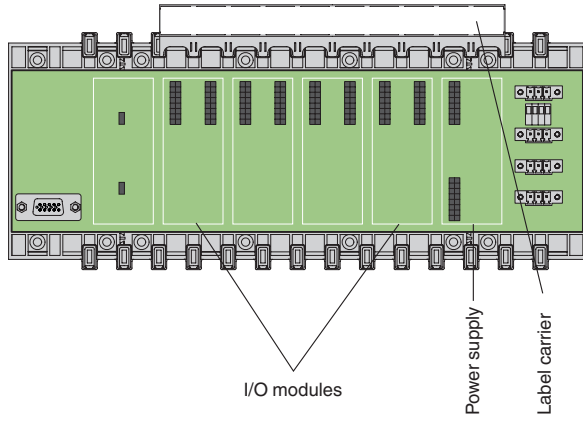
Marine approval

Bureau Veritas Marine 22449/B0 BV

### General information

Supplementary information Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see [www.pepperl-fuchs.com](http://www.pepperl-fuchs.com).

Assembly



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

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