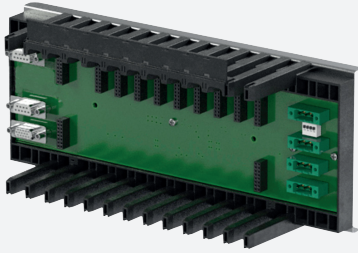


# Base Backplane

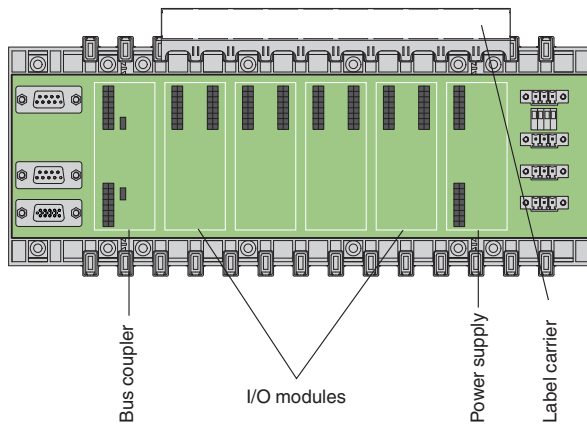
## LB9023BP08110.1



- Backplane for LB-System
- For PROFIBUS DP, PROFIBUS DP V1, PROFINET, and MODBUS RTU
- Max. 8 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 LB9025BP08100.1 Bus Coupler LB8106* , LB8107* , LB8108* , LB8109* , LB8122*
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#### Slots

Bus coupler	1
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 connection

Fieldbus type	PROFIBUS DP/DP-V1, PROFINET or MODBUS RTU , depends on bus coupler
Redundancy	no

#### Directive conformity

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

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PEPPERL+FUCHS

## Technical Data

Directive 2014/30/EU	EN 61326-1:2013
<b>Conformity</b>	
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 ± 0.075 mm/1 g; 10 cycles frequency range 5 ... 100 Hz; transition frequency: 13.2 Hz amplitude/acceleration ± 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. 1010 g
Dimensions	(W x H x D) 275 x 127 x 80 mm (10.8 x 5 x 3.15 inch) , without modules
<b>Data for application in connection with hazardous areas</b>	
Certificate	BVS 16 ATEX E 089 X
Marking	Ⓜ II 3 G Ex nA IIC T4 Gc
Directive conformity	
Directive 2014/34/EU	EN IEC 60079-0:2018+AC:2020 EN 60079-15:2010
<b>International approvals</b>	
UL approval	E106378
Control drawing	116-0321
IECEx approval	IECEx BVS 16.0047X
Approved for	Ex nA IIC T4 Gc
<b>General information</b>	
Supplementary information	Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see <a href="http://www.pepperl-fuchs.com">www.pepperl-fuchs.com</a> .