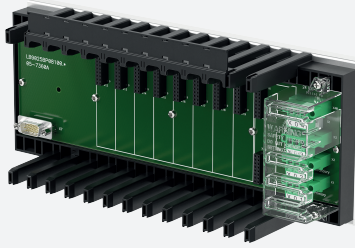


Extension Backplane

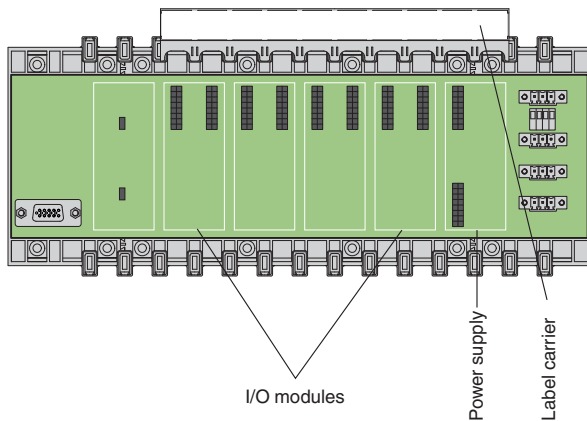
LB9025BP08100.2



- 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



Assembly



Technical Data

General specifications			
Suitable components		Backplane LB9023BP08110.2.E , LB9023BP08110.2	
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 connection			
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 61326-1:2013	
Conformity			
Electromagnetic compatibility		NE 21	

Release date: 2026-05-18 Date of issue: 2026-05-18 Filename: 70175196_eng.pdf

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

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0002
pa-info@us.pepperl-fuchs.com

Germany: +49 621 776 2222
pa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
pa-info@sg.pepperl-fuchs.com

 **PEPPERL+FUCHS**

Technical Data

Degree of protection	EN 60529
Ambient conditions	
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
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
Height	127 mm
Width	275 mm
Depth	80 mm
Data for application in connection with hazardous areas	
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 EN 60079-7:2015+A1:2018
International approvals	
IECEx approval	IECEx BVS 16.0047X
Approved for	Ex ec IIC T4 Gc
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 .