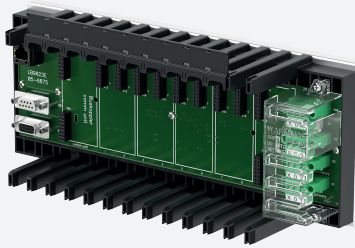


Base Backplane

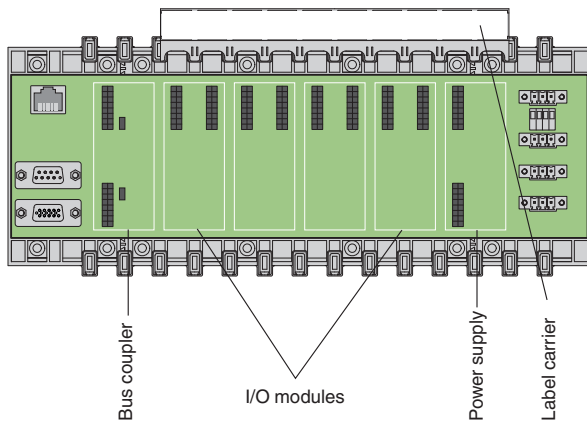
LB9023BP08110.2.E



- Backplane for LB-System
- For MODBUS TCP/IP
- 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 LB9025BP08100.2 Bus Coupler LB8111A*
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		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: 70175193_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

Electromagnetic compatibility	NE 21
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. 1010 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	BVS 09.0037X
Approved for	Ex ec IIC T4 Gc
General information	
Supplementary information	Observe the certificates, declarations of conformity, instruction manuals, and manuals where applicable. For information see www.pepperl-fuchs.com .