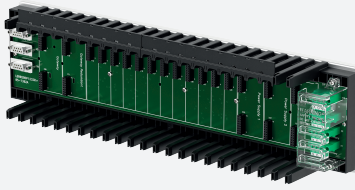


Redundancy Base Backplane

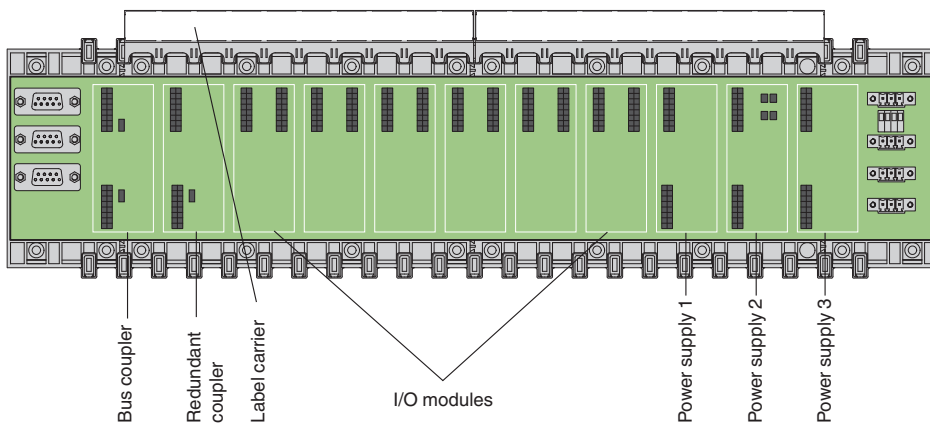
LB9029BP12320.2



- Backplane for LB-System
- For PROFIBUS DP, PROFIBUS DP V1, PROFINET, and MODBUS RTU
- Max. 12 slots for I/O modules
- Redundancy (field bus and power supply)
- Not extendable
- Mounting in Zone 2, Class I/Div.2 or in the safe area



Assembly



Technical Data

General specifications		
Suitable components		Bus Coupler LB8106* , LB8107* , LB8108* , LB8109* , LB8122*
Slots		
Bus coupler		2
Supply		3
I/O modules (single width)		max. 12
I/O modules (dual width)		max. 6
Supply		
Maximum safe voltage U _m		60 V DC (SELV/PELV)
Input voltage range U		18 ... 32 V DC (SELV/PELV)
Redundancy		yes
Fieldbus connection		
Fieldbus type		PROFIBUS DP/DP-V1, PROFINET or MODBUS RTU , depends on bus coupler
Redundancy		yes
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: 70175201_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
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. 1380 g
Dimensions	(W x H x D) 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
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 .