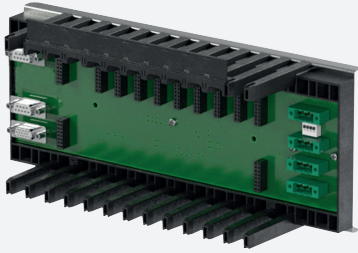


Base Backplane

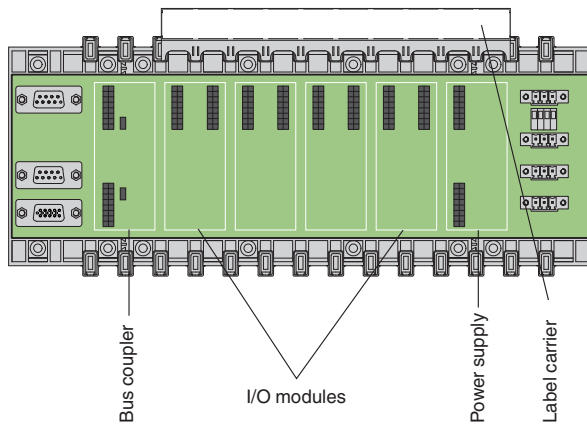
LB9023BP08110.1



- 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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Technical Data

Directive 2014/30/EU	EN 61326-1:2013
Conformity	
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
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 IEC 60079-0:2018+AC:2020 EN 60079-15:2010
International approvals	
UL approval	E106378
Control drawing	116-0321
IECEx approval	IECEx BVS 16.0047X
Approved for	Ex nA 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 .