

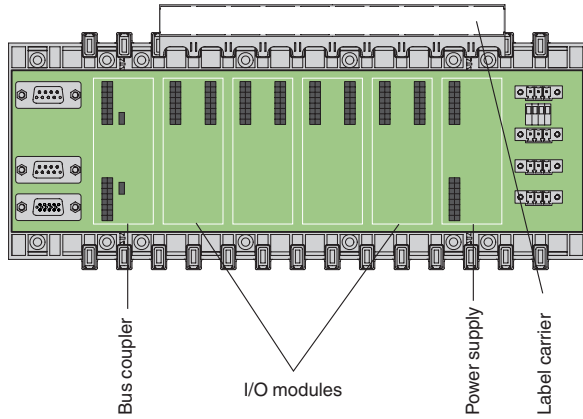
Features

- 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

Technical data

General specifications	
Suitable components	Extension Backplane LB9025BP08100.1 Bus Coupler LB8106*, LB8107*, LB8108*, LB8109*, LB8122*
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 interface	
Fieldbus type	PROFIBUS DP/DP-V1, PROFINET or MODBUS RTU, depends on bus coupler
Redundancy	no
Directive conformity	
Electromagnetic compatibility	
Directive 2014/30/EU	EN 61326-1:2006
Conformity	
Electromagnetic compatibility	NE 21
Degree of protection	EN 60529
Ambient conditions	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F), 70 °C (non-Ex)
Storage temperature	-25 ... 85 °C (-13 ... 185 °F)
Relative humidity	95 % non-condensing
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 \pm 0.075 mm/1 g; 10 cycles frequency range 5 ... 100 Hz; transition frequency: 13.2 Hz amplitude/acceleration \pm 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 60079-0:2009 EN 60079-15:2010
International approvals	
UL approval	E106378
Control drawing	116-0321
Approved for	cUL (Canada): CL I Zn. 2 IIC; IS circuits for CL I Zn. 0 IIC ULus (USA): CL I Div. 2 Grp. A, B, C, D; IS circuits for CL I, II, III Div. 1 Grp. A, B, C, D, E, F, G
IECEX approval	IECEX BVS 16.0047X
Approved for	Ex nA IIC T4 Gc
Marine approval	
Bureau Veritas Marine	22449/B0 BV
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 .

Assembly



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

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