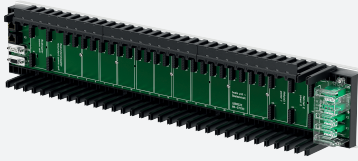


Redundancy Base Backplane

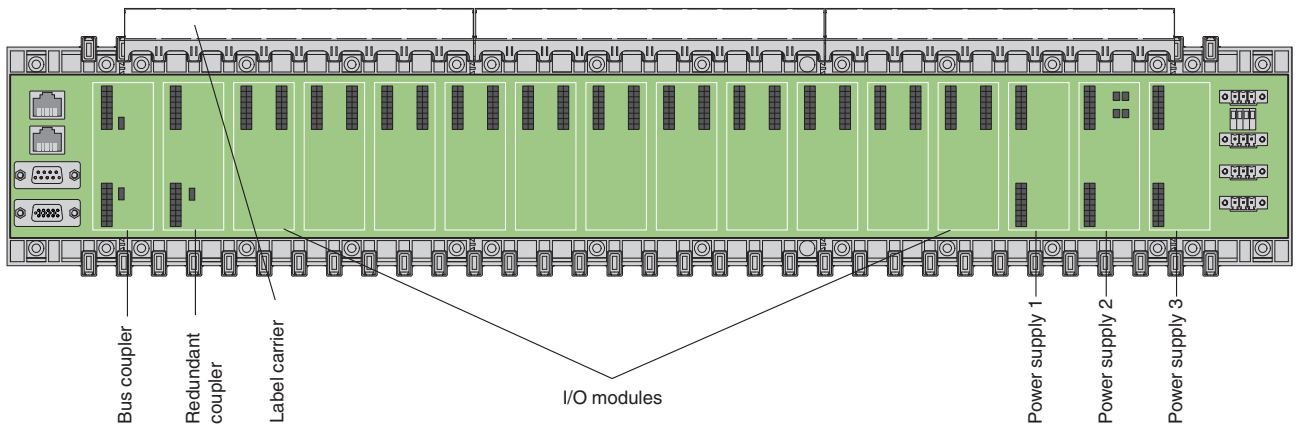
LB9022BP22320.0.E



- Backplane for LB-System
- For MODBUS TCP/IP
- Max. 22 slots for I/O modules
- Redundancy (field bus and power supply)
- Mounting in Zone 2, Class I/Div.2 or in the safe area



Assembly



Technical Data

General specifications

Suitable components Extension Backplane LB9024BP24300.1
 Bus Coupler LB8111A*

Slots

Bus coupler	2
Supply	3
Output shut-down	SIL2 output shutdown Slots 3 ... 24
I/O modules (single width)	max. 22
I/O modules (dual width)	max. 11

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	MODBUS TCP
Redundancy	yes

Directive conformity

Release date: 2023-11-28 Date of issue: 2023-11-28 Filename: 300983_eng.pdf

Technical Data

Electromagnetic compatibility		
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. 2170 g
Dimensions		(W x H x D) 605 x 127 x 80 mm (23.8 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		Observe the certificates, declarations of conformity, instruction manuals, and manuals where applicable. For information see www.pepperl-fuchs.com .