



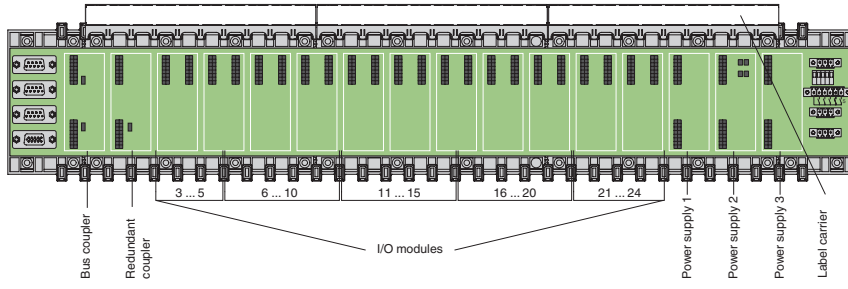
Features

- Max. 22 slots for I/O modules
- 5 SIL2 output shutdown segments
- Installation in Zone 2 and Zone 22 or Class I, Div. 2 or safe area
- Redundancy (field bus and power supply)
- For PROFIBUS DP, PROFIBUS DP V1 and MODBUS RTU
- Backplane for LB-System

Technical data

General specifications	
Suitable components	backplane LB9024S
Slots	
Bus coupler	2
Supply	3
Output shut-down	5 SIL2 output shutdown segments slots 3 ... 5, 6 ... 10, 11 ... 15, 16 ... 20, 21 ... 24
I/O modules (single width)	max. 22
I/O modules (dual width)	max. 11
Supply	
Rated voltage	24 V DC (18 ... 32 V DC) SELV/PELV
Redundancy	yes
Fieldbus interface	
Fieldbus type	PROFIBUS DP/DP-V1 or MODBUS RTU , depends on bus coupler
Redundancy	yes
Directive conformity	
Electromagnetic compatibility Directive 2004/108/EC	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 50 m/s ² , number of shock directions 6, number of shocks per direction 100
Vibration resistance	frequency range 5 ... 500 Hz, amplitude 5 ... 13.2 Hz ± 1.5 mm, 13.2 ... 100 Hz 1g, sweep rate 1 octave/min, duration 10 sweeps 5 Hz - 100 Hz - 5 Hz
Damaging gas	for plugs: 21 days in 25 ppm SO ₂ , at 25 °C and 75 % rel. humidity, device 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 in) , without modules
Data for application in connection with Ex-areas	
Statement of conformity Group, category, type of protection	PF 08 CERT 1234 X ⊕ II 3 G Ex nA IIC T4 Gc
Directive conformity Directive 94/9/EC	EN 60079-0:2009 EN 60079-11:2007 EN 60079-15:2010
International approvals	
IECEx approval Approved for	BVS 09.0037X Ex nAc II T4
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".

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