



Field Unit, Stainless Steel

LB9508-T5*-B-0**-**-*-Y*

- Preconfigured enclosures for engineered LB systems
- Max. 8 slots for I/O modules
- Installation in Zone 2 or safe area
- Impact resistance enclosure, IP66
- For PROFIBUS DP, PROFIBUS DP V1, PROFINET, and MODBUS RTU
- Image is generic for this device type and may deviate from the specific variant

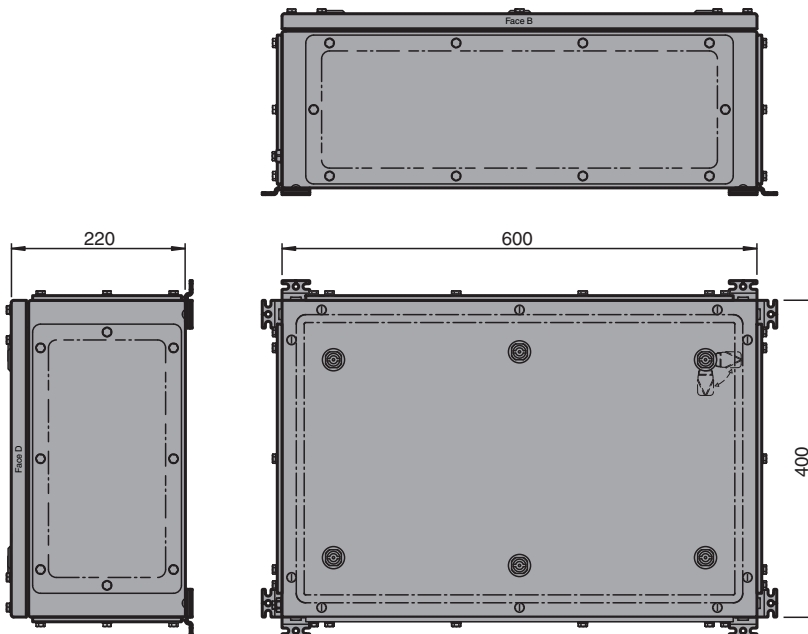
Field Unit, Stainless Steel



Function

This field unit is designed to meet the requirements of the most demanding hazardous area and industrial environmental applications. Brushed stainless steel 316L provides high corrosion and impact resistance at a very wide temperature range. It is equipped with a base backplane. It provides 8 slots for I/O modules. The I/O modules can be plugged anywhere on each slot. The fieldbus and power supply are equipped with non-redundant connections.

Dimensions



Release date: 2022-07-13 Date of issue: 2022-07-13 Filename: t197132_eng.pdf

Technical Data

General specifications

Installed components	backplane LB9023A
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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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Technical Data

Slots		
Bus coupler		1
Supply		1
I/O modules (single width)		max. 8
I/O modules (dual width)		max. 4
Supply		
Connection		screw terminals, max. 10 mm ²
Rated voltage	U _r	24 V DC
Redundancy		no
Fieldbus connection		
Fieldbus type		PROFIBUS DP/DP-V1, PROFINET or MODBUS RTU , depends on bus coupler
Connection		9-pin Sub-D connector (not included with delivery)
Redundancy		no
Directive conformity		
Electromagnetic compatibility		
Directive 2014/30/EU		EN 61439-1:2012 (J.9.2.2 b) , EN 61439-2:2012
Conformity		
Degree of protection		EN 60529
Impact resistance		EN 60079-0
Ambient conditions		
Ambient temperature		-20 ... 40 °C (-4 ... 104 °F) further on request
Storage temperature		-25 ... 70 °C (-13 ... 158 °F)
Relative humidity		< 75 % (annual mean) < 95 % (30 d/year), no moisture condensation
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
Impact resistance		7J
Mechanical specifications		
Enclosure cover		hinged door with quarter-turn key locks
Cover seal		foamed silicone
Degree of protection		IP66
Cable entry face B		
M16 quantity		32
M16 series		Cable Glands, Plastic
M16 type		CG.PIDS1.M16.*
M16 clamping range		4 ... 8 mm
M16 info		field signals
M20 quantity		4
M20 series		Cable Glands, Plastic
M20 type		CG.PEDS1.M20.*
M20 clamping range		6 ... 12 mm
M20 info		Fieldbus
M25 quantity		2
M25 series		Cable Glands, Plastic
M25 type		CG.PEDS1.M25.*
M25 clamping range		10 ... 18 mm
M25 info		Power Supply
Terminal assembly		
Number of horizontal rails		1
Usable length per horizontal rail		480 mm
Terminal type		max. 90 spring terminal or screw terminal

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Technical Data

Material		
Cable gland		Polyamide (PA)
Seal		housing: foamed silicone cable gland: chloroprene
Mass		approx. 25 kg , without modules
Dimensions		
External dimension (A)		400 mm
External dimension (B)		600 mm
External dimension (C)		220 mm
Mounting		4 Mounting bracket for wall mounting included in the scope of delivery
Grounding		M8 internal/external brass nickel-plated grounding bolt
Data for application in connection with hazardous areas		
EU-type examination certificate		
Marking		Ⓜ II 3(1/2)G Ex eb nA [ia Ga/ib Gb/ic] IIC T4 Gc Ⓜ II 3(1/2)D Ex tb [ia Da/ib Db/ic] IIIC T130°C Dc
Certificate		PF 16 CERT 1267 X
Directive conformity		
Directive 2014/34/EU		EN 60079-0:2018 , EN 60079-7:2015 , EN 60079-11:2012 , EN 60079-15:2010 , EN 60079-31:2014
General information		
Ordering information		This device will be delivered completely configured and assembled ready for use. For configuration details please contact Customer Service.
Supplementary information		EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperl-fuchs.com .