

Features

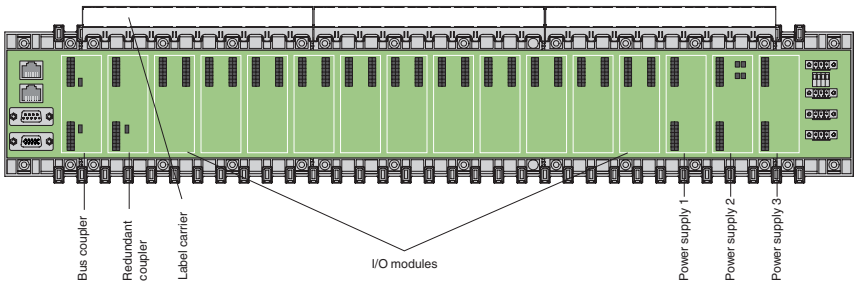
- Max. 22 slots for I/O modules
- Redundancy (field bus and power supply)
- For MODBUS TCP/IP
- Backplane for LB-System
- Mounting in Zone 2, Class I/Div.2 or in the safe area

Technical data

General specifications		
Suitable components		backplane LB9024A , backplane LB9024S , LB8111A2*
Slots		
Bus coupler		2
Supply		3
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 interface		
Fieldbus type		MODBUS TCP
Redundancy		yes
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 ± 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		PF 08 CERT 1234 X
Marking		Ⓔx II 3 G Ex nA IIC T4 Gc
Directive conformity		
Directive 2014/34/EU		EN 60079-0:2009 EN 60079-15:2010
International approvals		
ATEX approval		PF 08 CERT 1234 X
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		BVS 09.0037X
Approved for		Ex nA IIC T4 Gc
EAC approval		Russia: RU C-IT.MIII06.B.00129
Marine approval		
Lloyd Register		15/20021
DNV GL Marine		TAA0000034
American Bureau of Shipping		T1450280/UN
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.

Release date 2017-06-21 17:24 Date of issue 2017-06-26 212233_eng.xml

Assembly



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