Features

- 15-channel
- Active digital signal 130 V AC ... 230 V AC
- Positive or negative logic selectable
- Simulation mode for service operations (forcing)
- Permanently self-monitoring

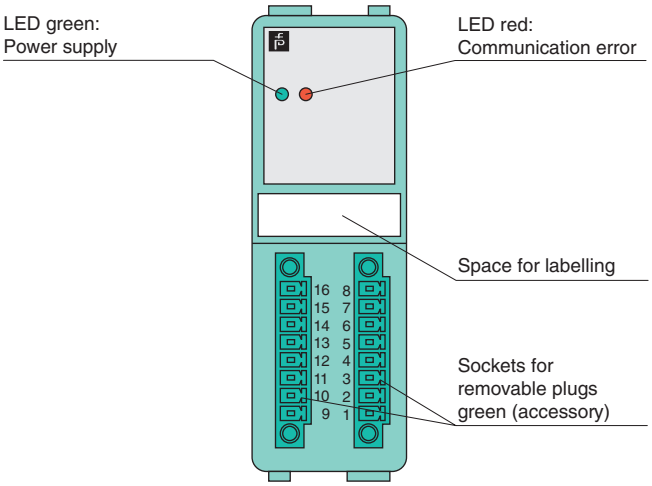
Function

The device accepts 230 V status information from the field.

The inputs are galvanically isolated from the bus and the power supply.

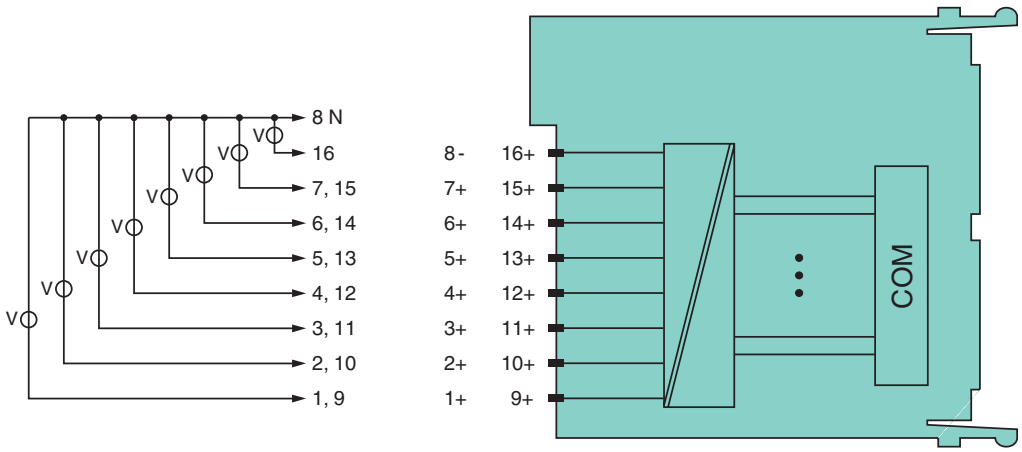
Assembly

Front view



CE

Connection



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Slots	
Occupied slots	2
Supply	
Connection	backplane bus
Rated voltage U_r	12 V DC , only in connection with the power supplies LB9***
Power dissipation	0.6 W
Power consumption	0.6 W
Internal bus	
Connection	backplane bus
Interface	manufacturer-specific bus to standard com unit
Input	
Input resistance	500 kΩ
Digital input	
Number of channels	15
Connection	channel I: 9+, 8-; channel II: 10+, 8-; channel III: 11+, 8-; channel IV: 12+, 8-; channel V: 13+, 8-; channel VI: 14+, 8-; channel VII: 15+, 8-; channel VIII: 16+, 8-; channel IX: 1+, 8-; channel X: 2+, 8-; channel XI: 3+, 8-; channel XII: 4+, 8-; channel XIII: 5+, 8-; channel XIV: 6+, 8-; channel XV: 7+, 8-
Digital signals (active)	AC 130 ... 230 V (250 V max.) in-phase
Switching point: ON	< 130 V
Switching point: OFF	55 V
Minimum pulse duration	2 periods
Indicators/settings	
LED indication	LED green: supply LED red: communication fault
Coding	optional mechanical coding via front socket
Directive conformity	
Electromagnetic compatibility	
Directive 2014/30/EU	EN 61326-1
Conformity	
Electromagnetic compatibility	NE 21
Degree of protection	IEC 60529
Environmental test	EN 60068-2-14
Shock resistance	EN 60068-2-27
Vibration resistance	EN 60068-2-6
Damaging gas	EN 60068-2-42
Relative humidity	EN 60068-2-56
Ambient conditions	
Ambient temperature	-20 ... 70 °C (-4 ... 158 °F)
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 when mounted on backplane
Connection	removable front connector with screw flange (accessory) wiring connection via spring terminals (0.14 ... 1.5 mm^2) or screw terminals (0.08 ... 1.5 mm^2)
Mass	approx. 130 g
Dimensions	32.5 x 100 x 102 mm (1.28 x 3.9 x 4 inch)
International approvals	
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	
System information	The module has to be mounted in appropriate backplanes (LB9***) outside hazardous areas. Here, the corresponding conformity has to be observed. For use the module must be installed in an appropriate enclosure.
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.

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