

Features

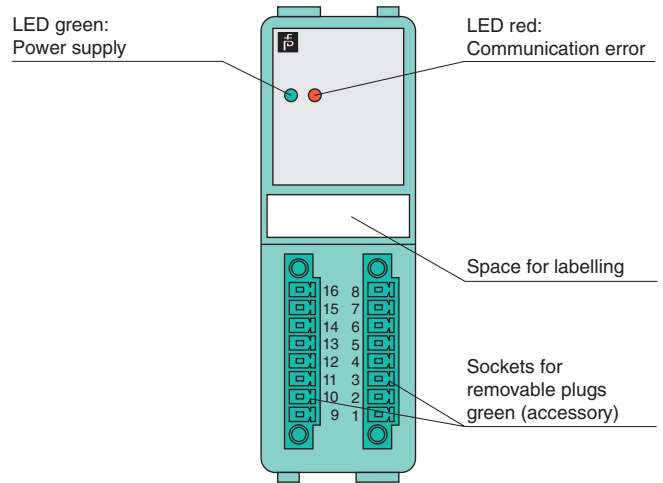
- 15-channel
- Active digital signal 95 V AC ... 230 V AC
- Positive or negative logic selectable
- Simulation mode for service operations (forcing)
- Permanently self-monitoring

Function

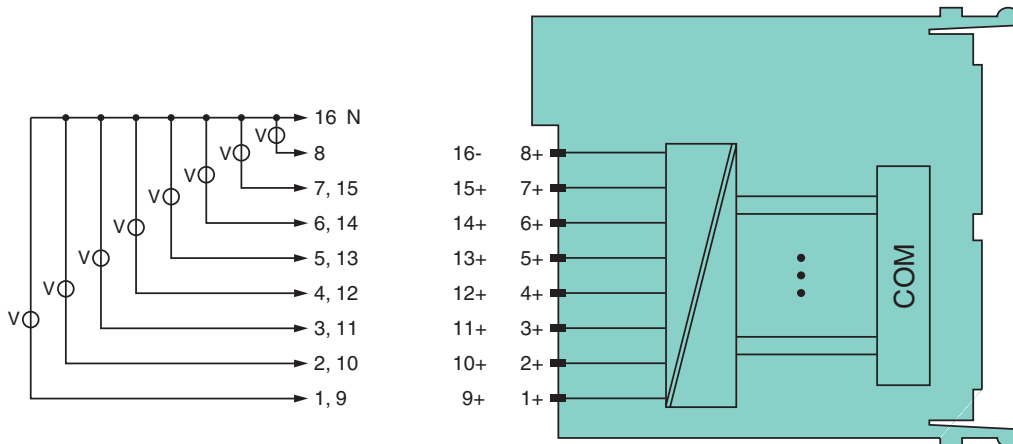
The device accepts 230 V status information from the field.
 The inputs are galvanically isolated from the bus and the power supply.

Assembly

Front view



Connection



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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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Supply	
Connection	backplane bus
Rated voltage	12 V DC , only in connection with the power supplies LB9***
Power consumption	0.6 W
Internal bus	
Connection	backplane bus
Interface	manufacturer-specific bus to standard com unit
Input	
Number of channels	15
Connection	channel I: 1+, 16-; channel II: 2+, 16-; channel III: 3+, 16-; channel IV: 4+, 16-; channel V: 5+, 16-; channel VI: 6+, 16-; channel VII: 7+, 16-; channel VIII: 8+, 16-; channel IX: 9+, 16-; channel X: 10+, 16-; channel XI: 11+, 16-; channel XII: 12+, 16-; channel XIII: 13+, 16-; channel XIV: 14+, 16-; channel XV: 15+, 16-
Digital signals (active)	AC 95 ... 230 V (250 V max.) in-phase
Switching point: ON	90 V
Switching point: OFF	55 V
Input resistance	500 kΩ
Minimum pulse duration	2 periods
Indicators/settings	
LED indicator	LED green: supply LED red: communication fault
Coding	optional mechanical coding via front socket
Directive conformity	
Electromagnetic compatibility	
Directive 2004/108/EC	EN 61326-1
Conformity	
Electromagnetic compatibility	NE 21
Protection degree	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 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	
Protection degree	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 x 100 x 103 mm (1.26 x 3.9 x 4 in)
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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