Features

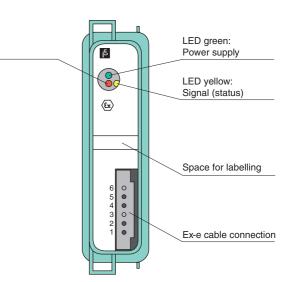
- 1-channel
- Input wired to Ex e terminals
- Power supply for 2- or 3-wire transmitters with 4 mA ... 20 mA
- Supply circuit 16.5 V (20 mA)
- · Input from active signals of 4-wire transmitters
- Installation in suitable enclosures in Zone 1 or Zone 21
- · HART communication via field bus or service bus
- · HART communication also for separately powered devices
- Simulation mode for service operations (forcing)
- Line fault detection (LFD) and Live Zero monitoring
- · Permanently self-monitoring

Function

The transmitter power supply feeds 2-and 3-wire transmitters. Active signals from separately powered field devices and 4wire transmitters can be connected.

Open and short circuit line fault alarms as well as Live Zero status are detected.

The input is galvanically isolated from the bus and the power supply (EN 60079-11).



CE

Assembly

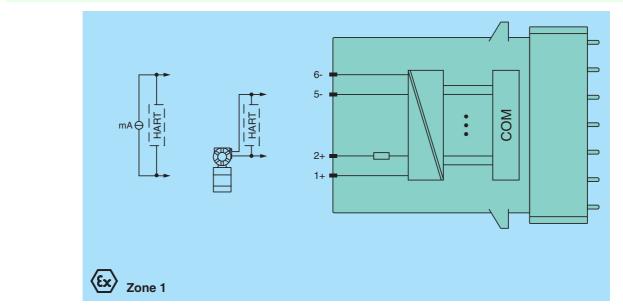
Front view

LED red:

Line fault



Connection



	-	6	6	\mathbf{n}	6
1 al		ь.	F -1	U	2
	_		-	-	

ackplane bus 2 V DC , only in connection with the power supplies FB92** approx. 1.2 W backplane bus nanufacturer specific bus to standard Com Unit/gateway ransmitters for pressure, differential pressure, level, flow, temperature, etc. vire ends 2+ (brown), 5- (grey, HART supply), 1+ (white), 6- (pink, HART input) 5 Q (terminals 5.6)		
2 V DC , only in connection with the power supplies FB92** approx. 1.2 W ackplane bus nanufacturer specific bus to standard Com Unit/gateway ransmitters for pressure, differential pressure, level, flow, temperature, etc. vire ends 2+ (brown), 5- (grey, HART supply), 1+ (white), 6- (pink, HART input)		
approx. 1.2 W backplane bus nanufacturer specific bus to standard Com Unit/gateway ransmitters for pressure, differential pressure, level, flow, temperature, etc. vire ends 2+ (brown), 5- (grey, HART supply), 1+ (white), 6- (pink, HART input)		
vackplane bus nanufacturer specific bus to standard Com Unit/gateway ransmitters for pressure, differential pressure, level, flow, temperature, etc. vire ends 2+ (brown), 5- (grey, HART supply), 1+ (white), 6- (pink, HART input)		
nanufacturer specific bus to standard Com Unit/gateway ransmitters for pressure, differential pressure, level, flow, temperature, etc. vire ends 2+ (brown), 5- (grey, HART supply), 1+ (white), 6- (pink, HART input)		
nanufacturer specific bus to standard Com Unit/gateway ransmitters for pressure, differential pressure, level, flow, temperature, etc. vire ends 2+ (brown), 5- (grey, HART supply), 1+ (white), 6- (pink, HART input)		
ransmitters for pressure, differential pressure, level, flow, temperature, etc. vire ends 2+ (brown), 5- (grey, HART supply), 1+ (white), 6- (pink, HART input)		
vire ends 2+ (brown), 5- (grey, HART supply), 1+ (white), 6- (pink, HART input)		
vire ends 2+ (brown), 5- (grey, HART supply), 1+ (white), 6- (pink, HART input)		
5Ω (terminals 5.6)		
15 Ω (terminals 5, 6)		
36Ω (terminals 1, 6) , HART		
min. 16 V at 20 mA (incl. 250 Ω HART communication resistor)		
Parameterization range 0 26 mA		
x works settings: line fault < 0.5 mA, short circuit > 22 mA		
x works settings: ≤ 3.6 mA		
0.1 % of the input signal range at 20 °C (68 °F)		
0.01 %/K of the input signal range		
12 Bit (0 26 mA)		
approx. 50 ms		
ED green: supply		
ED red: line fault		
ED yellow: signal (Live Zero status)		
pace for labeling at the front		
N 61326-1		
IE 21		
EC 60529		
E 60068-2-14		
EN 60068-2-27		
EN 60068-2-6		
EN 60068-2-42		
N 60068-2-56		
20 60 °C (-4 140 °F)		
-25 85 °C (-13 185 °F)		
95 % non-condensing		
shock type I, shock duration 11 ms, shock amplitude 50 m/s ² , number of shock directions 6, number of shocks per direction 100		
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		
or plugs: 21 days in 25 ppm SO $_2$, at 25 °C and 75 % rel. humidity, device G3		
P20 (module), a separate housing is required acc. to the system description		
vire ends or shielded cable tail viring connection		
eparately covered Ex e terminals required		
pprox. 350 g		
8 x 107 x 132 mm (1.1 x 4.2 x 5.2 in)		
PTB 97 ATEX 1074 U, PTB 97 ATEX 1075 (system), for additional certificates see www.pepperl-fuchs.com		
xỳ lì 2 G Ex d lìC		
afe electrical isolation acc. to IEC/EN 60079-11, voltage peak value 375 V		
EN 60079-0 , EN 60079-1		
ending		

Technical data	FB3302*
System information	The module has to be mounted in appropriate backplanes and housings (FB92**) in Zone 1, 2, 21, 22 or outside hazardous areas (gas or dust). Here, the corresponding EC-Type Examination Certificate has to be observed.
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.

Versions

Model number	Options
FB3302B-80	wire ends, 80 cm
FB3302B150	wire ends, 150 cm
FB3302BS200	shielded cable tail, 200 cm