

Bus Termination Module

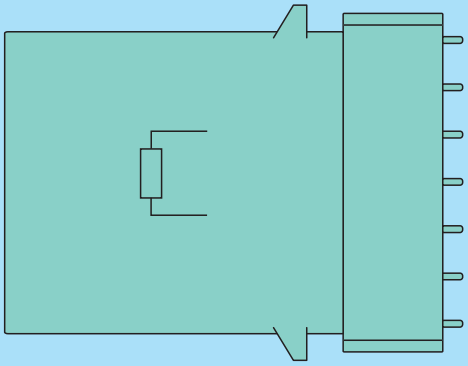
FB9293B3

- Passive termination of the service bus
- Installation in suitable enclosures in Zone 1
- Module can be exchanged under voltage in Zone 1 (hot swap; be aware bus operation may be affected)

Function

The device acts as a bus termination resistor to ensure signals are not reflected at the end of the line.
It must be used in each last station of a bus line.

Connection



Technical Data

Supply		
Connection		backplane bus
Directive conformity		
Electromagnetic compatibility		
Directive 2014/30/EU		EN 61326-1:2013
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 60068-2-78

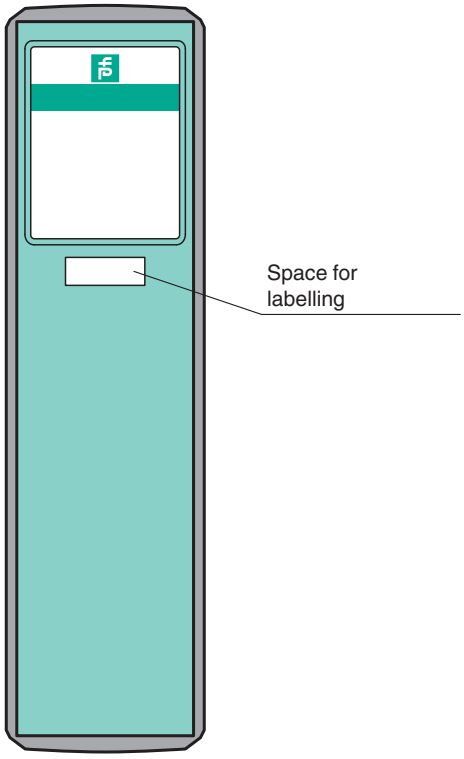
Release date: 2026-02-19 Date of issue: 2026-02-19 Filename: 287548_eng.pdf

Technical Data

Ambient conditions		
Ambient temperature		-40 ... 60 °C (-40 ... 140 °F)
Storage temperature		-40 ... 85 °C (-40 ... 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 (module) , a separate housing is required acc. to the system description
Mass		approx. 350 g
Dimensions		
Height		107 mm
Width		28 mm
Depth		132 mm
Data for application in connection with hazardous areas		
EU-type examination certificate		PTB 97 ATEX 1074 U
Marking		⟨Ex⟩ II 2 G Ex d IIC
Directive conformity		
Directive 2014/34/EU		EN IEC 60079-0:2018+AC:2020 EN 60079-1:2014 EN 60079-5:2015 EN 60079-7:2015+A1:2018
General information		
System information		The module has to be mounted in appropriate backplanes (FB92**) in Zone 1, 2, or outside hazardous areas. Observe the corresponding EC-type examination certificate.
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.

Assembly

Front view



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