



Bus Termination Module

FB9294B

- Terminates bus, service bus, or both depending on model
- Module can be exchanged under voltage (hot swap)
- Terminated 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)

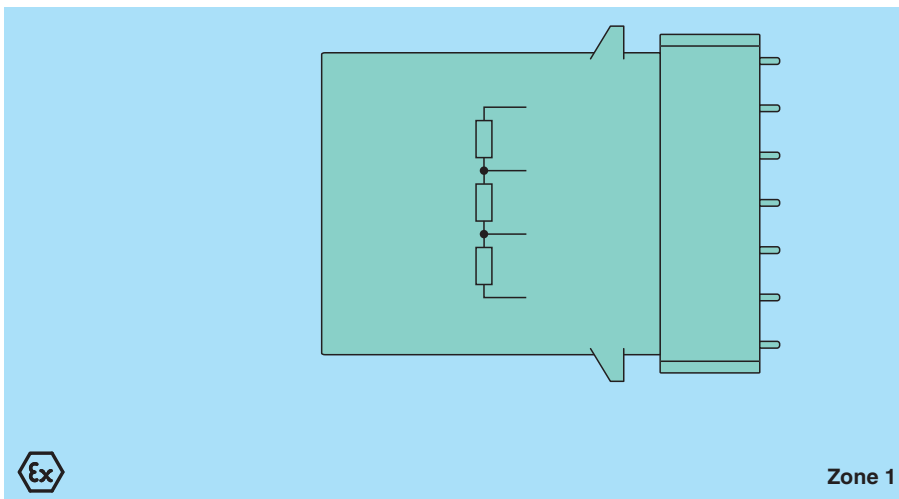
Bus termination module, bus termination



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
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

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

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0002
pa-info@us.pepperl-fuchs.com

Germany: +49 621 776 2222
pa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
pa-info@sg.pepperl-fuchs.com

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Technical Data

Ambient conditions

Ambient temperature	-20 ... 60 °C (-4 ... 140 °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	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	28 x 107 x 132 mm (1.1 x 4.2 x 5.2 inch)

Data for application in connection with hazardous areas

EU-type examination certificate	PTB 97 ATEX 1074 U
Marking	Ⓔ II 2 G Ex d IIC
Directive conformity	
Directive 2014/34/EU	EN 60079-0:2009 EN 60079-1:2007 EN 60079-11:2007 EN 60079-26:2007 EN 61241-11:2006

International approvals

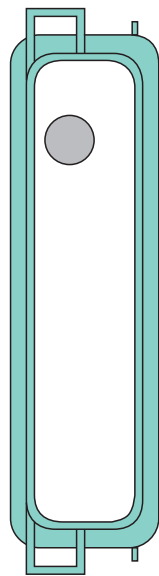
EAC approval	Russia: RU C-IT.MIII06.B.00129
Marine approval	
Lloyd Register	15/20021
American Bureau of Shipping	T1450280/UN
Bureau Veritas Marine	22449/B0 BV

General information

System information	The module has to be mounted in appropriate backplanes (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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Product Versions

Function	Type/Order no.
Service bus termination	FB 9293 B
Bus termination	FB 9294 B
Bus and service bus termination	FB 9295 B

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