Features

- Pluggable, mounts between Power Hub and trunk cable
- Intrinsically safe (Ex ia), FISCO, Entity, DART Fieldbus, or general-purpose
- · Optional diagnostics for wear
- · Grounding of shield direct
- For FOUNDATION Fieldbus H1 and PROFIBUS PA
- Indication via LED and Advanced Diagnostics

Function

This fieldbus surge protector is in acc. with IEC 61158-2 and mounts on the trunk connector of FieldConnex[®] High-Density and Compact Power Hubs protecting them. It directs power surges to ground via gas discharge tubes. It is certified intrinsically safe for circuits in hazardous areas up to Zone 0/Div. 1 and DART Fieldbus. The surge protector is installed in Zone 1 ... 2 or Div. 1 ... 2.

Self-diagnostics (option) continuously monitors wear caused by surges. The end of the useful life is indicated via LED and in the control room via FieldConnex[®] Advanced Diagnostics for exchange before protection is lost.

Installation on the trunk connector is without additional wiring even as retrofit. A single grounding bar connects surge protectors mounted side by side to common ground.

Assembly







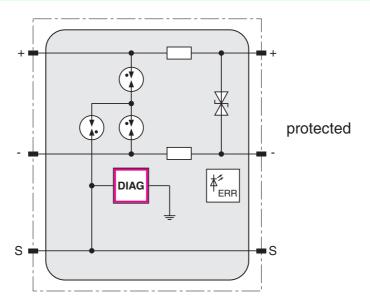






Connection



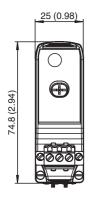


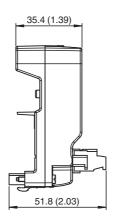
Directive conformity	
Directive 94/9/EC	EN 60079-0:2012, EN 60079-11:2012, EN 60079-15:2010, EN 60079-26:2007
Supplementary information	FISCO field device
International approvals	
CSA approval	pending
Control drawing	pending
IECEx approval	IECEx SIR 12.0051X
Approved for	Ex ia IIC T4
General information	
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.

Versions

Туре	Description
TPH-LBF-IA1.36.DE.0	Fieldbus Surge Protector without diagnosis
TPH-LBF-IA1.36.DE.1	Fieldbus Surge Protector with diagnosis

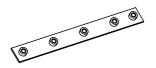
Dimensions



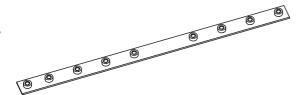


Dimensions in mm (in)

Accessories



Grounding rail ACC-LBF-EB.4 for High-Density Fieldbus Power Hubs, type code MBHD*



Grounding rail ACC-LBF-EB.8 for Compact Fieldbus Power Hubs, type code MBHC*