All Lines Protected.

One portfolio. Zero gaps.

Surge Protection



Power surges are among the most common causes of damage to electronic components and also pose a potential risk to people and the environment. They are primarily caused by lightning strikes or switching operations, but can also have operational causes.

Pepperl+Fuchs surge protection modules reliably discharge any surges to ground, thereby effectively protecting equipment and electronic systems from potential damage.

A comprehensive portfolio of high-performance surge protection solutions offers suitable protection devices for a wide variety of applications—from signal and power lines to protecting fieldbus infrastructure.

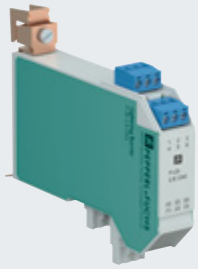
DIN rail mounting



M-LB-4000

- Modular system
- IS and non-IS variants
- Nominal voltages 5/12/24/48/180/230 V
- Grounded/ungrounded topologies
- Devices for Ethernet applications

K-System plug-in modules



P-LB

- Plug-in modules for K-System
- For intrinsically safe control loops
- Can be plugged directly into the field side of KF modules

DIN rail mounting



M-LB-2000

- One-piece design
- IS and non-IS variants
- Nominal voltages 1 V and 24 V
- Grounded/ungrounded topologies
- Devices for 3-wire applications

Screw-in modules



F*-LB*

- Module for field devices
- Ex-rated
- 500 V insulation to ground
- Thread options: PG13.5, 1/2" NPT, and M20 × 1.5

For more information, visit
pepperl-fuchs.com/surgeprotection

Your automation, our passion.

PEPPERL+FUCHS

Devices for Protecting Supply Lines

DIN rail mounting



M-LB-*.*

- Protects 1, 2, 3, or 4 power lines at 30/115/230 V
- Type 2 and Type 3 devices
- Available for all common power supply configurations
- Operational and fault indicators for each protected line

Devices for Ethernet-APL

Control cabinet/ DIN rail mounting



M-LBAS-IA

- Increased safety, Ex ec, or intrinsically safe Ex ia in accordance with 2-WISE and FISCO
- Supports direct or indirect shield grounding

Field devices/ screw-in modules



FN-LBAS

- Pressure-tight encapsulation or intrinsically safe according to 2-WISE
- Thread options: 20 mm or ½" NPT

Devices for Fieldbus, Foundation Fieldbus H1, and Profibus PA

Control cabinet/ DIN rail mounting



DP-LBF

- Intrinsically safe (Ex ia): FISCO, Entity
- Replaceable protection module, with or without disconnection
- Direct shield grounding or via gas discharge arrester

Field devices/ screw-in modules



F*-LBF-I1.32

- Flameproof or intrinsically safe, FISCO, or Entity
- Thread options: 20 mm or ½" NPT

Plug-in module field distributor



SCP-LBF-IA1

- Plug-in, installation between device coupler and track cable
- Intrinsically safe (Ex ia), FISCO, Entity, or universal use
- Optional consumption diagnostics
- Display via LED and advanced diagnostics

Plug-in module field distributor



TCP-LBF

- Plug-in, installation between device coupler and trunk cable
- Optional consumption diagnostics
- Shield grounding via gas discharge arrester
- Indication via LED and advanced diagnostics