Smart.
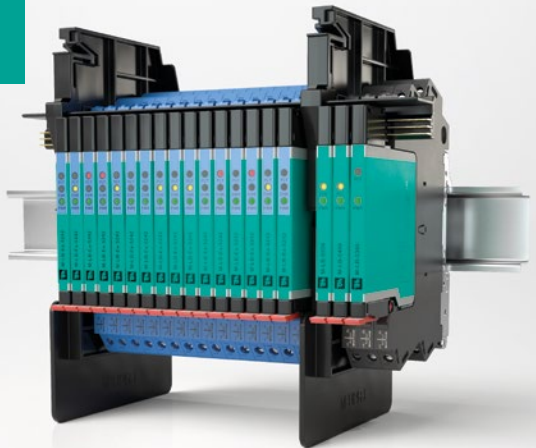# Small.
Unique.

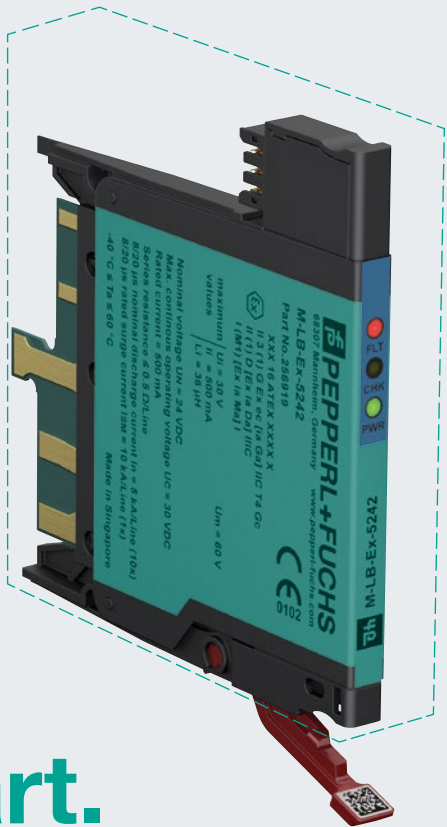Intelligent Surge Protection

Your automation, our passion.

PEPPERL+FUCHS

Intelligent Surge – Unlimited Protection

- World's first smart surge protection in a compact 6.2 mm housing signalling replacement before failure
- Indication and alarm outputs to integrate into the control system
- Elimination of wasteful compliance testing

Smart.

Absolute
Plant Availability

- Plug-and-play modular design for quick installation
- Loop disconnect for easy maintenance
- Hot swap during plant operations saving downtime
- No special tools required

Small.

On the module label:

PEPPERL+FUCHS
68301 Mannheim, Germany

M-LB-Ex-5242
Part No. 256919

II 3 (1) G Ex ec [ia Ga] IIC T4 Gc
II (1) D [Ex ia Da]
I (M1) [Ex ia Ma] I

XXX 16 ATEX XXXX X

Nominal voltage Un = 24 VDC
Max. continuous operating voltage UC = 30 VDC
Rated current = 500 mA
Series resistance ≥ 0.6 Ω/Line
8/20 μs nominal discharge current In = 5 kA/Line (10x)
8/20 μs rated surge current Imax = 10 kA/Line (1x)
-40 °C ≤ Ta ≤ 60 °C
Made in Singapore

maximum | Ui = 30 V
values | Ii = 600 mA
Li = 36 μH

Um = 60 V

FLT
CHK
PWR

M-LB-Ex-5242

On the base:

PEPPERL+FUCHS
68301 Mannheim, Germany

M-LB-Ex-5000
Part No. 256830

Made in Poland

Protection
area

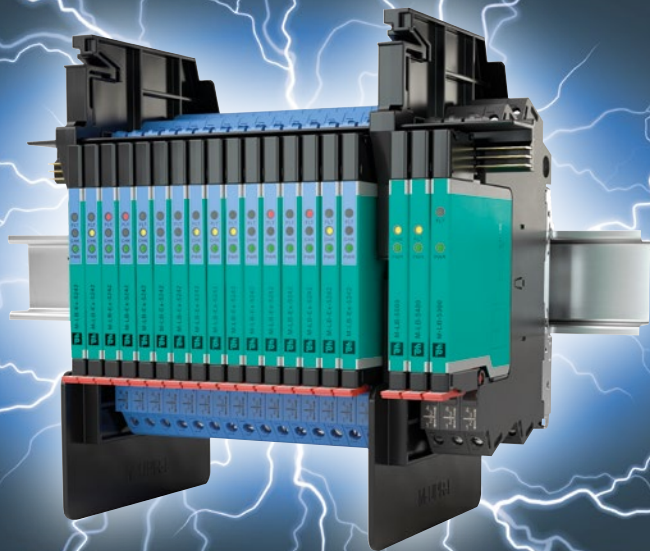Unprotected
area

6.2 mm – Size Matters

- Smallest surge arrestor with inbuilt condition monitoring in the market
- Replacement of marshalling terminals with quick disconnect feature, isolating loops
- Highest packing density – reduction of cabinet space

PEPPERL+FUCHS

M-LB-Ex-5242

M-LB-Ex-5000

Unique!

Lightning Does Strike Twice – Protect Your Plant Assets!

Lightning strikes cause irreparable damage to your plant assets. The damage and costs are huge – defective components, plant downtime, increasing insurance contribution... That's why surge protection concepts are crucial in your plant. The ideal solution needs no space in the cabinet, is self-checking, easy to operate and provides plant safety all-over SmartSurge protection system M-LB-5000.

Discover more at
www.pepperl-fuchs.com/surge-M-LB-5000

Your automation,
our passion.

Explosion Protection

- Intrinsically Safe Barriers
- Signal Conditioners
- Fieldbus Infrastructure
- Remote I/O Systems
- HART Interface Solutions
- Surge Protection
- Wireless Solutions
- Level Measurement
- Purge and Pressurization Systems
- Industrial Monitors and HMI Solutions
- Electrical Explosion Protection Equipment
- Solutions for Explosion Protection

Industrial Sensors

- Proximity Sensors
- Photoelectric Sensors
- Industrial Vision
- Ultrasonic Sensors
- Rotary Encoders
- Positioning Systems
- Inclination and Acceleration Sensors
- Fieldbus Modules
- AS-Interface
- Identification Systems
- Displays and Signal Processing
- Connectivity

PEPPERL+FUCHS