



# 中国国家强制性产品认证证书

编号: 2023312304001608

委托人 Pepperl+Fuchs SE  
地址 Lilienthalstraße 200, 68307 Mannheim, Germany  
生产者 Pepperl+Fuchs SE  
地址 Lilienthalstraße 200, 68307 Mannheim, Germany  
生产企业 DEHN SE  
生产地址 Hans-Dehn-Strasse 1, Neumarkt 92318, Germany  
产品名称 电涌保护器  
型号规格 M-LB-EX-4242  
防爆标志 Ex ia [ia Ga] IIC T6 Gb, Ex ib IIC T6 Gb, [Ex ia Da] IIIC  
依据标准 GB/T 3836.1-2021, GB/T 3836.4-2021

认证模式 型式试验+初始工厂检查+获证后监督

上述产品符合 CNCA-C23-01: 2019 《强制性产品认证实施规则 防爆电气》  
和 CNEX-C2301-2019 《强制性产品认证实施细则 防爆电气》的要求。

产品相关信息见附页 (共 2 页)。

首次发证日期: 2023 年 04 月 29 日

颁发日期: 2023 年 04 月 29 日

有效期至: 2028 年 04 月 28 日

证书有效期内本证书的有效性依据发证机构的定期监督获得保持。

主任:



南阳防爆电气研究所有限公司



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CN 0024690



# 中国国家强制性产品认证证书 ( 附页 )

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## 产品相关信息:

1、本证书覆盖产品如下:

- M-LB-EX-4242

电气参数:

本安输入电路  
端子 1-2

$U_i$	30V
$I_i$	500mA
$P_i$	5.32W
$L_i$	0 $\mu$ H
$C_i$	0nF

用于粉尘区域且无至少 IP5X 的外壳保护时,  $P_i$  与环境温度  $T_a$  对应关系如下:

$T_a$	40/70/100°C
$P_i$	750/650/550mW
$I_i$	250mA

本安输出保护电路  
端子 1' - 2'

输出电路的最大值与根据本安输入电路连接到输入电路的最大值相同。  
通过 DIN 导轨的功能性接地连接不是符合 GB/T 3836.1 的接地连接。  
该设备满足 FISCO 现场设备的要求。

颁发日期: 2023 年 04 月 29 日

主任:



南阳防爆电气研究所有限公司



中国认可  
产品  
PRODUCT  
CNAS C208-P

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# 中国国家强制性产品认证证书 (附页)

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使用环境温度:  
T6: -40°C~+50°C  
T5: -40°C~+75°C  
T4: -40°C~+80°C

防爆标志: Ex ia [ia Ga] IIC T6 Gb, Ex ib IIC T6 Gb, [Ex ia Da] IIIC

- 生产者应按照认证机构批准的技术文件组织生产。

## 2、安全使用条件:

- 潜在静电电荷危险-见产品使用说明书。
- 因电涌放电器连接在本安电路和接地连接之间用于过电压保护,本安电路和可能接地的部件(通过 DIN 导轨的功能性接地连接)之间不能承受 500 V AC RMS 的绝缘电压。
- 必须考虑使用环境温度 - 参见上面的环境温度。
- 其他见产品使用说明书。

## 3、证书关联报告:

- 产品型式试验报告: CQST2304C076
- 工厂检查报告: CN2021Q010131

## 4、证书变更信息: 无。

颁发日期: 2023 年 04 月 29 日

主任:



南阳防爆电气研究所有限公司



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# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2023312304001608

**Applicant** Pepperl+Fuchs SE  
**Address** Lilienthalstraße 200, 68307 Mannheim, Germany  
**Manufacturer** Pepperl+Fuchs SE  
**Address** Lilienthalstraße 200, 68307 Mannheim, Germany  
**Production Factory** DEHN SE  
**Production Address** Hans-Dehn-Strasse 1, Neumarkt 92318, Germany  
**Product** Surge protector  
**Model/Type** M-LB-EX-4242  
**Ex marking** Ex ia [ia Ga] IIC T6 Gb, Ex ib IIC T6 Gb, [Ex ia Da] IIIC  
**Reference Standards** GB/T 3836.1-2021, GB/T 3836.4-2021

**Certification mode** Type Test + Initial Factory Inspection + Post-Certification Surveillance

The product(s) is verified and certified according to CNCA-C23-01: 2019 *China Compulsory Certification Implementation Rule on Explosion Protected Electrical Product* and CNEC-C2301-2019 *Guideline of China Compulsory Certification Implementation Rule on Explosion Protected Electrical Product*.

See Annex for the detailed product information (2 pages)

Initial issue date: 2023-04-29

Issued date: 2023-04-29

Valid to: 2028-04-28

The validity of this certificate is maintained through the regular supervision of the issuing authority during the validity period.

Where any discrepancy arises between the English translation and the original Chinese version, the Chinese version shall prevail.

Director:



Nanyang Explosion Protected Electrical  
Apparatus Research Institute Co., Ltd.



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# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION (Annex)

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## Product information:

1. This certificate covers the following models:

- M-LB-EX-4242

Electrical data:

Intrinsically safe input circuit

Terminals No. 1-2

$U_i$	30V
$I_i$	500mA
$P_i$	5.32W
$L_i$	0 $\mu$ H
$C_i$	0nF

When used inside areas with dust depending on each Ambient temperature  $T_a$   
40/70/100°C

$T_a$	40/70/100°C
$P_i$	750/650/550mW
$I_i$	250mA

Intrinsically safe output circuit (protected)

Terminals No. 1-2

The maximum values of the output circuit are identical to those that are connected to the input circuit according to intrinsically safe input circuit.

The functional earth connection via the DIN rail is not a connection facility according

Issued date: 2023-04-29

Director:



Nanyang Explosion Protected Electrical  
Apparatus Research Institute Co.,Ltd.





# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

## (Annex)

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to GB/T 3836.1.

This equipment meets the requirements of a FISCO field device.

Ambient temperature range:

T6: -40°C~+50°C

T5: -40°C~+75°C

T4: -40°C~+80°C

Ex marking: Ex ia [ja Ga] IIC T6 Gb, Ex ib IIC T6 Gb, [Ex ia Da] IIIC

- Producers should organize production in accordance with the technical documents approved by the certification body.
2. Specific conditions of safety use:
- When used in areas that require Group IIC or Group III equipment, the risk of electrostatic charges shall be minimized – see operating instructions.
  - The insulation between the intrinsically safe circuit and the parts which may be earthed (here the functional earth connection via the DIN rail) is not capable to withstand a test with of 500 V AC RMS, because of the surge arresters used for the overvoltage protection and connected between the intrinsically safe circuit and earth connection.
  - The environmental data must be taken into account – see ambient temperature ranges above.
  - See instruction for other information.
3. Certificate related report(s):
- Type test report: CQST2304C076
  - Factory inspection report: CN2021Q010131
4. Certificate change information: none.

Issued date: 2023-04-29

Director:



Nanyang Explosion Protected Electrical  
Apparatus Research Institute Co.,Ltd.

