



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX TUR 22.0082X** Page 1 of 3 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2023-06-22
Applicant: **Pepperl+Fuchs SE**
Lilienthalstrasse 200
68307 Mannheim
Germany
Equipment: **Surge protector type M-LB-2.XXX.T3.D**
Optional accessory:
Type of Protection: **"ec"**
Marking: Ex ec IIC T4 Gc

Approved for issue on behalf of the IECEx
Certification Body:

Christian Mehrhoff

Position:

Assigned certifier

Signature:
(for printed version)

Date:
(for printed version)

2023-06-22

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

TUV Rheinland Industrie Service GmbH
Am Grauen Stein
51105 Cologne
Germany





IECEX Certificate of Conformity

Certificate No.: **IECEX TUR 22.0082X**

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Date of issue: 2023-06-22

Issue No: 0

Manufacturer: **Pepperl+Fuchs SE**
Lilienthalstrasse 200
68307 Mannheim
Germany

Manufacturing
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[DE/TUR/ExTR22.0082/00](#)

Quality Assessment Report:

[DE/PTB/QAR06.0008/18](#)



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Certificate No.: **IECEX TUR 22.0082X**

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Date of issue: 2023-06-22

Issue No: 0

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The surge protector type M-LB-2.XXX.T3.D is used in circuits to protect the connected equipment from high-energy transient overvoltage's.

The surge protector is intended for the following applications:

The modular 2-pole surge protection device is used for equipment protection in electrical power systems in circuits with increased safety in zone 2.

The M-LB-2.XXX.T3.D is a modular surge protective device consisting of a base part and one plug-in protection module.

SPECIFIC CONDITIONS OF USE: YES as shown below:

see attachment

Annex:

[IECEX_TUR_22.0082X_00_Attachment_1.pdf](#)



Attachment to Certificate IECEX TUR 22.0082X

Device: Surge protector
Type: M-LB-2.XXX.T3.D

Manufacturer: Pepperl+Fuchs SE

Address: Lilienthalstrasse 200
68307 Mannheim, Germany

General product information:

Type designation

M-LB-2.XXX.T3.D

M-LB-2.	XXX.T3.	D
1	2	3

1	M-LB-2 = 2 pole modular
2	z.B. 30 = highest permissible system voltage in V
3	D = Detecting contact

Description

The surge protector type M-LB-2.XXX.T3.D is used in circuits to protect the connected equipment from high-energy transient overvoltage's.

The surge protector is intended for the following applications:

The modular 2-pole surge protection device is used for equipment protection in electrical power systems in circuits with increased safety in zone 2.

The M-LB-2.XXX.T3.D is a modular surge protective device consisting of a base part and one plug-in protection module.

Parameter

Electrical data

Type	U _{max} in V
M-LB-2.30.T3.D	30
M-LB-2.150.T3.D	30
M-LB-2.150.T3.D	255

Thermal data

Ambient temperature range

-20 °C ≤ Ta ≤ +80 °C



Attachment to Certificate
IECEX TUR 22.0082X
Revision 0

“Specific Conditions of Use” for Ex Equipment:

- 1). The equipment shall only be used in an area of at least pollution degree 2, as defined in IEC 60664-1.
- 2). The equipment shall be installed in an enclosure that provides a minimum ingress protection of IP54 in accordance with IEC 60079-0.
- 3). The environmental data must be taken into account – see electrical data above and the operating Instructions.
- 4). Ambient temperature range $-40\text{ °C} \leq T_a \leq +80\text{ °C}$