

(1) TYPE EXAMINATION CERTIFICATE



- (2) Equipment and Protective Systems intended for use in Potentially Explosive Atmosphere - **Directive 2014/34/EU**
- (3) Type-Examination Certificate Number

TÜV 22 ATEX 8816 X

Issue: 01

- (4) Equipment: **Surge Protector
Types M-LBAS-IA1.IE*, M-LBAS-IA1.DE***
- (5) Manufacturer: **Pepperl+Fuchs SE**
- (6) Address: **Lilienthalstraße 200
68307 Mannheim, Germany**

- (7) This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.
- (8) The TÜV Rheinland Zertifizierungsstelle für Explosionsschutz of TÜV Rheinland Industrie Service GmbH, Notified Body No. 0035 in accordance with Article 21 of the Council Directive 2014/34/EU of 26th February 2014, certifies this product which has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmosphere, given in Annex II to the Directive.

The examination and test results are recorded in the confidential report 557/Ex8786.01/22

- (9) Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:

EN IEC 60079-0: 2018

EN IEC 60079-7: 2015 / A1: 2018

- (10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.
- (11) This Type Examination Certificate relates only to the design and specification for construction of the equipment or protective system. It does not cover the process for actual manufacture or supply of the equipment or protective system, for which further requirements of the directive are applicable.
- (12) The marking of the equipment shall include the following:

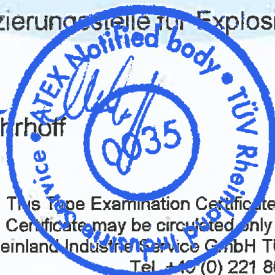


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TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

Cologne, 2023-04-28

Dipl.-Ing. Christian Mehrhoff



This Type Examination Certificate without signature and stamp shall not be valid
This Type Examination Certificate may be circulated only without alteration. Extracts or alterations are subject to approval by the
TUV Rheinland Industrie Service GmbH TÜV Rheinland Group Am Grauen Stein 51105 Köln
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(13) Annex

(14) **Type Examination Certificate**
TÜV 22 ATEX 8816 X Issue: 01

(15) Description of equipment

15.1 Equipment and type:

Surge Protector
 Types M-LBAS-IA1.IE*, M-LBAS-IA1.DE*,

15.2 Description / Details of Change

General product information

The Surge Protectors are used to protect Ethernet-APL devices from overvoltages induced in the signal lines caused by indirect lightning strikes.

Type code	Description
M-LBAS-IA1.IE*	DIN Rail version with plastic enclosure, earthing through GDT
M-LBAS-IA1.DE*	DIN Rail version with plastic enclosure, direct earthing

* is not Ex relevant

The device has to be installed into an additional enclosure, which fulfills IP54 and EN/IEC 60079-0 requirements.

Details of Change:

Some technical changes, which are not relevant for the user.

Technical Data

Electrical data

Supply circuit	$U_n = 30 \text{ V}$ and $I_n = 500 \text{ mA}$
PA Earth connection	For connection to the equipotential bonding.

Environmental data:

The permitted ambient temperature range:

$-40 \text{ °C} \leq T_a \leq +80 \text{ °C}$

(16) Test-Report No. 557/Ex8786.01/22

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(17) Special Conditions for safe use

1. The device must be installed and operated only in surrounding enclosures that
 - comply with the requirements for surrounding enclosures according to IEC/EN 60079-0,
 - are rated with a degree of protection of at least IP54 according to IEC/EN 60529.

(18) Basic Safety and Health Requirements

Covered by afore mentioned standard

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

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