

# TYPE EXAMINATION CERTIFICATE



## Equipment or Protective System intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

- [3] Type Examination Certificate Number: **UL 22 ATEX 2853X Rev. 1**
- [4] Product: **Power Feed Modules and Redundant Power Feed Modules, Models KFD2-EB2, KFD2-EB2.SP, KFD2-EB2.R4A.B, and KFD2-EB2-R4A.B.SP**
- [5] Manufacturer: **Pepperl+Fuchs SE**
- [6] Address: **Lilienthalstrasse 200, 68307 Mannheim, Germany**
- [7] This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- [8] UL International Demko A/S certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014.
- The examination and test results are recorded in confidential report no. **US/UL/ExTR16.0055/02.**
- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
- EN IEC 60079-0:2018      EN IEC 60079-7:2015/A1:2018      EN IEC 60079-15:2019**
- Where additional criteria beyond those given here have been used, they are listed at item 18 in the Schedule.
- [10] If the sign "X" is placed after the certificate number, it indicates that the product is subject to the "Specific Conditions of Use" listed under item 17 of this certificate.
- [11] This Type examination certificate relates only to the design of the specified product, and not to specific items of product subsequently manufactured.
- [12] The marking of the product shall include the following (marking is provided in the Schedule as a part of item 15, if applicable):

 **II 3 G      Ex ec nC IIC T4 Gc**

**Certification Manager**  
Thomas Wilson

This is to certify that the sample(s) of the Product described herein ("Certified Product") has been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the ATEX Product Certification Program Requirements. This certificate and test results obtained apply only to the product sample(s) submitted by the Manufacturer. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured product. UL has not established Follow-Up Service or other surveillance of the product. The Manufacturer is solely and fully responsible for conformity of all product to all applicable Standards, specifications, requirements or Directives. The test results may not be used, in whole or in part, in any other document without UL's prior written approval.

**Date of issue:** 2022-11-18  
**Re-issued:** 2024-12-16

**Certification Body**

UL International Demko A/S, Borupvang 5A, 2750 Ballerup, Denmark  
Tel. +45 44 85 65 65, [info.dk@ul.com](mailto:info.dk@ul.com), [www.ul.com](http://www.ul.com)

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## Schedule TYPE EXAMINATION CERTIFICATE No. UL 22 ATEX 2853X Rev. 1

[15]

Description of Product:

The power feed modules and redundant power feed modules interface with 24 V DC power to the Power Rail. The twin input terminals allow for daisy-chaining of supply. The modules are open type devices that can be mounted on a power rail.

Power Feed modules Models KFD2-EB2, and KFD2-EB2.SP.

Redundant Power Feed modules Models KFD2-EB2.R4A.B, and KFD2-EB2-R4A.B.SP.

Accessory Power Rail UPR-03 and UPR-05.

KFD2-EB2	R4A	B	SP
I	II	III	IV

I – Model Series Designation

II – Redundant System

R4A – Redundant System

III – Bus System

B – Bus System

IV – Spring Terminals

SP – Spring Terminals

Temperature range:

-40°C ≤ Ta ≤ 70°C

Electrical data

Electrical Ratings: 20 – 30 Vdc

Contact Load: 30 V AC, 2A / 40 V DC, 2 A

Routine tests:

None

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Descriptive Documents

The scheduled drawings are listed in the report no. provided under item no. [ 8 ] on page 1 of this Type Examination Certificate.

[17]

Specific Conditions of Use:

- The equipment must be installed in an enclosure that provides a degree of protection not less than IP 54 in accordance to EN IEC 60079-0; Opening of the surrounding enclosure must not be possible without the use of a tool.
- The device must be installed and operated only in an environment that ensures a pollution degree 2 (or better) according to EN 60664-1.

[18]

Essential Health and Safety Requirements

The Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9.