

# Certificate



**No.: 968/FSP 2416.00/22**

<b>Product tested</b>	Solenoid Drivers	<b>Certificate holder</b>	Pepperl+Fuchs SE Lilienthalstraße 200 68307 Mannheim Germany
<b>Type designation</b>	KFD2-SLD-Ex2.1045 KFD2-SLD-Ex2.1245 KFD2-SLD-Ex2.1545 KFD0-SD2-Ex2.1045 KFD0-SD2-Ex2.1245 KFD0-SD2-Ex2.1545		
<b>Codes and standards</b>	EN 61508 Parts 1-7:2010		
<b>Intended application</b>	The test objects are solenoid drivers on the basis of an isolated barrier, which are intended to be used to supply power for solenoids / valves and visual and audible alarms located in a hazardous area. KFD2-SLD-Ex2.1*45 fulfils the requirements for SIL 2, SC 3 with LFT Feature and SIL 3, SC 3 without LFT Feature. The KFD0-SD2-Ex2.1*45 fulfils the requirements for SIL 3, SC 3 according to EN 61508:2010. They are suitable for the use in applications up to these safety levels. The products were also examined in reference to the applicable requirements of EN 61511-:2017 + A1:2017, EN IEC 62061:2021 and EN ISO 13849-1:2015 during the type examination and can be used in these application areas as such up to the following safety levels:  EN 61511-1:2017 + A1:2017 - SIL 2 (KFD2-SLD-Ex2.1*45 with LFT Feature) / SIL 3 (KFD2-SLD-Ex2.1*45 without LFT Feature, KFD0-SD2-Ex2.1*45) EN IEC 62061:2021 - SIL 2 (KFD2-SLD-Ex2.1*45 with LFT Feature) / SIL 3 (KFD2-SLD-Ex2.1*45 without LFT Feature, KFD0-SD2-Ex2.1*45) EN ISO 13849-1:2015 - PL d (KFD2-SLD-Ex2.1*45 with LFT Feature) / PL e (KFD2-SLD-Ex2.1*45 without LFT Feature, KFD0-SD2-Ex2.1*45)		
<b>Specific requirements</b>	The instructions of the associated Installation, Operating and Safety Manual shall be considered.		
Valid until 2027-09-12			

The issue of this certificate is based upon an examination, whose results are documented in Report No. 968/FSP 2416.00/22 dated 2022-09-12.

This certificate is valid only for products which are identical with the product tested.

**TÜV Rheinland Industrie Service GmbH**  
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Köln, 2022-09-12

Certification Body Safety & Security for Automation & Grid

  
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