Certificate

Product Safety
Functional
Safety

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No.: 968/FSP 1480.01/23

Product tested	Isolated Barrier	**Certificate holder**	Beijing Pinghe Chuangye Technology Development Co., Ltd. Room 206, A, 25 Yongxing Road Daxing District biological pharmaceutical industry base Beijing P.R. China
Type designation	PHD-11TD-21, PHD-12TD-211, PHD-22TD-2121, PHD-11TZ, PHD-11TT, PHD-22TZ, PHD-22TT, PHC-22TD-1111		
Codes and standards	IEC 61508 Parts 1-7:2010		
Intended application	Safety function of the isolated barriers is the repeating of 4-20 mA current within the accuracy of ±1% of the measurement range over the full operating environmental temperature range. The safe state of the device is to set the output current to < 3.6 mA or > 21.6 mA. They comply with the requirements of IEC 61508 SC 3, SIL 2. Hence they are suitable for the use in safety related applications up to SIL 2 with a hardware fault tolerance of HFT=0 and up to SIL 3 with at least a hardware fault tolerance of HFT=1 according to IEC 61508.		
Specific requirements	The instructions of the associated Safety Manual shall be considered.		

The issue of this certificate is based upon an evaluation in accordance with the Certification Program CERT FSP1 V3.0:2020 in its actual version, whose results are documented in Report No. 968/FSP 1480.01/23 dated 2023-07-26. This certificate is valid only for products, which are identical with the product tested. Issued by the certification body accredited by DAkkS according to DIN EN ISO/IEC 17065. The accreditation is only valid for the scope listed in the annex to the accreditation certificate D-ZE-11052-02-01.

Köln, 2023-08-01

TÜV Rheinland Industrie Service GmbH
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Certification Body Safety & Security for Automation & Grid

Dipl.-Ing. Thomas Steffens

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