

# Certificate



Product Safety  
Functional  
Safety

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**No.: 968/FSP 1480.00/17**

<b>Product tested</b>	Isolated Barrier	<b>Certificate holder</b>	Beijing Pinghe Chuangye Technology Development Co., Ltd. Room 206, A, 25 Yongxing Road Daxing District biological pharmaceutical industry base Beijing P. R. China
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<b>Type designation</b>	PHD-11TD-21 / PHD-12TD-211 / PHD-22TD-2121
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<b>Codes and standards</b>	IEC 61508 Parts 1-7:2010 IEC 61298 Parts 1-3:2008	IEC 61326-3-1:2008 + AC:2008
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<b>Intended application</b>	The isolated barriers have the safety function of repeating 4-20 mA current within the accuracy of $\pm 1\%$ 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 the relevant standards: 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.
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<b>Specific requirements</b>	The instructions of the associated Safety Manual shall be considered.
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Valid until 2022-08-25

The issue of this certificate is based upon an examination, whose results are documented in Report No. 968/FSP 1480.00/17 dated 2017-08-25.

This certificate is valid only for products which are identical with the product tested. It becomes invalid at any change of the codes and standards forming the basis of testing for the intended application.

**TÜV Rheinland Industrie Service GmbH**  
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Köln, 2017-08-25

Certification Body Safety & Security for Automation & Grid

Dipl.-Ing. Heinz Gall

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