

Certificate



Product Safety
Functional
Safety

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ID 0600000000

No.: 968/EZ 531.03/19

Product tested	Isolated Barriers for safety-related applications	Certificate holder	SHANGHAI CHENZHU INSTRUMENT CO., LTD. Floor 7~8, Building 6, No. 201, Minyi Road, Songjiang District, Shanghai, 201612, P.R. China
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Type designation	GS8512-EX, GS8523-EX, GS8535-EX, GS8536-EX, GS8547-EX, GS8567-EX, GS8568-EX
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Codes and standards	IEC 61508 Parts 1-7:2010 IEC 61326-3-1:2017	IEC 61298 Parts 1-3:2008
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Intended application

GS8512-EX and GS8523-EX are intended to be used in safety-related applications and have the safety function to de-energize output(s) on demand. The safe state is the de-energized state.

GS8535-EX, GS8536-EX, GS8547-EX, GS8567-EX and GS8568-EX are intended to be used in safety-related applications and have the safety function of repeating 4~20 mA current or converting the 4~20mA into 1~5V output voltage within the accuracy of $\pm 2\%$.

In case of a failure the output current is $< 3.6 \text{ mA}$ or $> 21.5 \text{ mA}$.

The barriers comply with the requirements of IEC 61508:
GS8512-EX, GS8523-EX, GS8547-EX: IEC 61508 SC 3, SIL 3
GS8535-EX, GS8536-EX, GS8567-EX, GS8568-EX: IEC 61508 SC 3, SIL 2

Specific requirements The instructions of the associated Safety Manuals shall be considered.

Valid until 2024-06-13

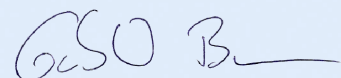
The issue of this certificate is based upon an examination, whose results are documented in Report No. 968/EZ 531.03/19 dated 2019-06-13.

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

TÜV Rheinland Industrie Service GmbH
Bereich Automation
Funktionale Sicherheit
Am Grauen Stein, 51105 Köln

Köln, 2019-06-13

Certification Body Safety & Security for Automation & Grid


Dipl.-Ing. Gebhard Bouwer

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