



TÜVRheinland®

ZERTIFIKAT
CERTIFICATE

No.: 968/EZ 531.02/14

Product tested	Isolated Barriers for safety-related applications	Certificate holder	Shanghai Chenzhu Instrument Co., Ltd. Building 6, 201 Minyi Road Caohejing Development Zone, New Economic Park Shanghai 201612 P.R. China
Type designation	GS8512-EX, GS8523-EX, GS8535-EX, GS8536-EX, GS8547-EX, GS8567-EX, GS8568-EX	Manufacturer	see certificate holder
Codes and standards forming the basis of testing	IEC 61508 Parts 1-7:2010 IEC 61326-3-1:2008 IEC 61298 Parts 1-3:2008		
Intended application	<p>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.</p> <p>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 ±2%. In case of a failure the output current is < 3.6 mA or > 21.5 mA.</p> <p>The barriers comply with the requirements of IEC 61508:</p> <p>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</p>		
Specific requirements	The instructions of the associated Safety Manuals, the Installation and Operating Manuals shall be considered.		
This certificate is valid until 2019-06-17.			



Functional Safety Type Approved

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The issue of this certificate is based upon an examination, whose results are documented in report-no.: 968/EZ 531.02/14 dated 2014-06-17.

The holder of a valid licence certificate for the product tested is authorized to affix the test mark shown opposite to products, which are identical with the product tested.

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

Köln, 2014-06-17

Certification Body for FS-Products

Dipl.-Ing. Stephan Häb