

Certificate			
			
		Product Safety Functional Safety www.tuv.com ID: 060000000	
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
Type designation	GS8512-EX, GS8523-EX, GS8535-EX, GS8536-EX, GS8547-EX, GS8567-EX, GS8568-EX		
Codes and standards	IEC 61508 Parts 1-7:2010 IEC 61326-3-1:2017	IEC 61298 Parts 1-3:2008	
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 ±2%. In case of a failure the output current is < 3.6 mA or > 21.5 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 Grauan Stein, 51105 Köln Certification Body Safety & Security for Automation & Grid			
Köln, 2019-06-13		 Dipl.-Ing. Gebhard Bouwer	
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**Стандарт:**

IEC61508-2010 Функциональная безопасность электрических / электронных / программируемых электронных систем, связанных с безопасностью

Сертификат выдан:

TUV Rheinland