TYPE APPROVAL CERTIFICATE
No. **ELE316523XG**

This is to certify that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

Description	**Safety Relay**
Type	**SR3C, SR3D Safety relay series**
Applicant	**H. ZANDER GmbH & Co. KG - H. Zander GmbH & Co.KG** **Am Gut Wolf 15** **52070 Aachen** **GERMANY**
Manufacturer *Place of manufacture*	**H. ZANDER GmbH & Co. KG - H. Zander GmbH & Co.KG** **Am Gut Wolf 15** **52070 Aachen** **GERMANY**
Reference standards	**RINA Rules for the Classification of Ships - Part C- Machinery, Systems and Fire Protection - Ch.3 , Sect. 6, Table 1**

Issued in **Hamburg** on **December 1, 2023**. *This Certificate is valid until* **November 30, 2028**

Giuseppe Russo

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This certificate consists of this page and 1 enclosure

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TYPE APPROVAL CERTIFICATE
No. **ELE316523XG**
Enclosure - Page 1 of 1
SR3C, SR3D Safety relay series

Product description:

The SR3C and SR3D series are configurable safety relays for DIN-rail mounting.

Technical Data:

Types:	The SR3C is a universal emergency stop safety switching device. The SR3D is specially designed and certified for the use in furnaces and auxiliary equipment.
Operational voltage:	115 / 230V AC 50/60Hz 24V AC/DC (an insulating transformer must be used)
Safety contacts:	3x NO AC: 250V, 2000VA, 8A for AC-12; 250V, 3A, AC-15 DC: 50V, 400W, 8A for DC-12, 24V, 3A, DC13
Auxiliary contact:	1x NC AC: 250V, 500VA, 2A for AC-12; 250V, 3A, AC-15 DC: 50V, 100W, 2A for DC-12
Degree of protection:	IP20
Safety requirements:	SIL 3 (IEC 61508, EN62061 and IEC61511) Cat. 4 / PL e (EN ISO 13849-1)

Documents:

Data sheets: - J08 Ver. B E61-137-00; J06 Ver. B E61-139-00;

Test reports:

EMV Services: - 06/6034-1-1 dated 04.04.06; 06/6034-1-2 dated 04.04.06;
IMST GmbH: - 1247 dated 23.01.2014;
RMS: - 08-12/2005 dated 14 December 2005;
TÜV Rheinland Industrie Service GmbH: - 968/FSP 1161.01/16 dated 27.07.2016;
- 01/205/5463.01/16 dated 27.07.2016;

Remarks:

- The products fulfill **EC-Code: EC31.**
- Manufacturer recommendations in data sheet are to be considered.
- For 24V AC/DC version a safety transformer or a power supply unit with electrical isolation from the mains must be used.

Hamburg December 1, 2023

Giuseppe Russo

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