



**TYPE APPROVAL CERTIFICATE**  
No. **ELE304518XG**

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

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

*Issued in* **Hamburg** on **November 12, 2018**. *This Certificate is valid until* **November 11, 2023**

RINA Services S.p.A.  
**Giuseppe Russo**

This certificate consists of this page and 1 enclosure



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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 November 12, 2018



A handwritten signature in blue ink, appearing to be 'J. A.', is written over the RINA logo.