#### **User Information**

Correct Use	SR3D is an all-purpose emergency stop device which ensures the quick and safe deactivation of the moving parts of a machine in case of danger.	
	Applications for the SR3D include single or dual-channel emergency stop circuits and guard monitoring on machines and plants.	Image: Solution of the soluti
EN ISO 13849-1 EN IEC 62061 IEC 61511 IEC 61508	The SR3D has been specially designed for use in combustion systems in continuous operation in accordance with EN 50156-1 and EN 746-2 as well as for use on ships and has been certified by TÜV-Rheinland and Germanischer Lloyd.	
	<ul> <li>3 safe redundant and diverse relay contacts 1 auxiliary contact</li> </ul>	CONVICLCOM/AF Germanischer Lloyd Zertifikat TAE00003JF
EN 746 - 2 EN 50156 - 1	<ul> <li>Connection of:</li> <li>- Emergency stop buttons</li> <li>- Safety switches</li> </ul>	
GL RINA	<ul> <li>Non-contact safety switches</li> <li>OSSD-Outputs</li> <li>Control: single or dual channel</li> </ul>	2 start performances:
	Control. single of dual channel     Feedback loop for external contactors or extension     modules	<ul> <li>2 start performances.</li> <li>monitored, manual start</li> <li>automatic start</li> </ul>
	<ul> <li>Redundancy and cyclical monitoring</li> <li>LED indicator for status channel 1 and 2</li> </ul>	<ul> <li>Short-circuit monitoring and earth fault monitoring</li> <li>Up to PL e, SIL 3, category 4</li> </ul>
Function	The emergency stop safety switching device SR3D is designed for safe isolation of safety circuits according to EN 60204-1 and can be used up to safety category 4, PL e / SIL 3 according to EN ISO 13849-1 / IEC 61508.	Safety-Out AUX A1 A2 S21 S13 S12 13 23 33 41
	The internal logical system closes the safety contacts when the start button is pressed.	
	If the safety switch is opened, the positively driven safety contacts are opened and safely switch the machine off. It is ensured that a single fault does not lead to a loss of the safety function and that every fault is detected by cyclical self-monitoring no later than when the system is switched off and switched on again.	S11 S10 S14 14 24 34 42 Fig. 1 Block diagram SR3D
Installation	As per EN 60204-1, the device is intended for installation in control cabinets with a minimum degree of protection of IP54. The following should be noted:	
	<ul> <li>Mounting on 35 mm rail according to EN 60715 TH35</li> <li>Ensure sufficient heat dissipation in the control cabinet</li> <li>With the AC 115 V / 230 V version, a minimum distance of 10 mm to adjacent devices must be maintained</li> </ul>	Fig. 2 Mounting / Demounting
	<b>Note:</b> Spacer from ZANDER AACHEN (Art. No. 472596) for defined distances - See section Accessories.	rg. 2 Mounting / Demounting
Safety Precautions	<ul> <li>Installation and commissioning of the device must be performed only by authorized personnel.</li> </ul>	The overall concept of the control system in which the device is incorporated must be validated by the user.
^	<ul> <li>Observe the country-specific regulations when installing the device.</li> <li>The electrical connection of the device is only allowed to</li> </ul>	<ul> <li>Failure to observe the safety regulations can result in death, serious injury and serious damage.</li> <li>Note down the version of the preduct (see left) "(or X")</li> </ul>
<u>\i</u>	<ul><li>be made with the device isolated.</li><li>The wiring of the device must comply with the instructions in this user information, otherwise there is a risk</li></ul>	<ul> <li>Note down the version of the product (see label "Ver. X") and check it prior to every commissioning of a new de- vice. If the version has changed, the overall concept of the control system in which the device is incorporated must be validated again by the user.</li> </ul>
	<ul><li>that the safety function will be lost.</li><li>It is not allowed to open the device, tamper with the device or bypass the safety devices.</li></ul>	<ul> <li>The year of manufacture can be found on the type label on the device. It is located at the end of the line of the voltage specification, below the ID number.</li> </ul>
	<ul> <li>All relevant safety regulations and standards are to be observed.</li> </ul>	
Electrical Connection	<ul> <li>Consider the information in the section "Techn. data"</li> <li>When the 24 V version is used, a safety transformer</li> </ul>	$ \begin{array}{c c} & \bigcirc & \bigcirc & \bigcirc \\ \hline & \bigcirc & \bigcirc & \bigcirc \\ \hline & \bigcirc & \bigcirc & \bigcirc & \bigcirc \\ \hline & \bigcirc & \bigcirc & \bigcirc & \bigcirc & A1:  Power \ supply \\ \hline & A2:  Power \ supply \\ \hline \end{array} $
	according to EN 61558-2-6 or a power supply unit with electrical isolation from the mains must be connected	13         23         31         41           A13         S115         DC 24 V control voltage           S115         S10:         Control line           S12XENS         S7AD         S21:
	<ul> <li>External fusing of the safety contacts must be provided.</li> <li>If the device does not function after commissioning, it must be returned to the manufacturer unopened. Ope-</li> </ul>	1333341     S21.     Static control line       K1\\/     S13:     Control line       k2\\\/     S14:     Control line
	<ul> <li>Increasing service life if driving inductive loads by using</li> </ul>	K2         S12:         Control line           K1         Усг. В         23-24:         Safety contact 1
	appropriate protective circuitry (e.g. freewheeling diode)	Ver. B         25 2+.         Safety contact 2           Pwr. ACIDC 24V         33-34:         Safety contact 3           [14] 24   34   42         41-42:         Auxiliary contact

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Note: Fig. 3 shows the AC/DC 24 V variant.

⊕⊖⊘⊘ Fig. 3 Terminals ZANDER

HEN English translation

Errors and technical changes reserved

P

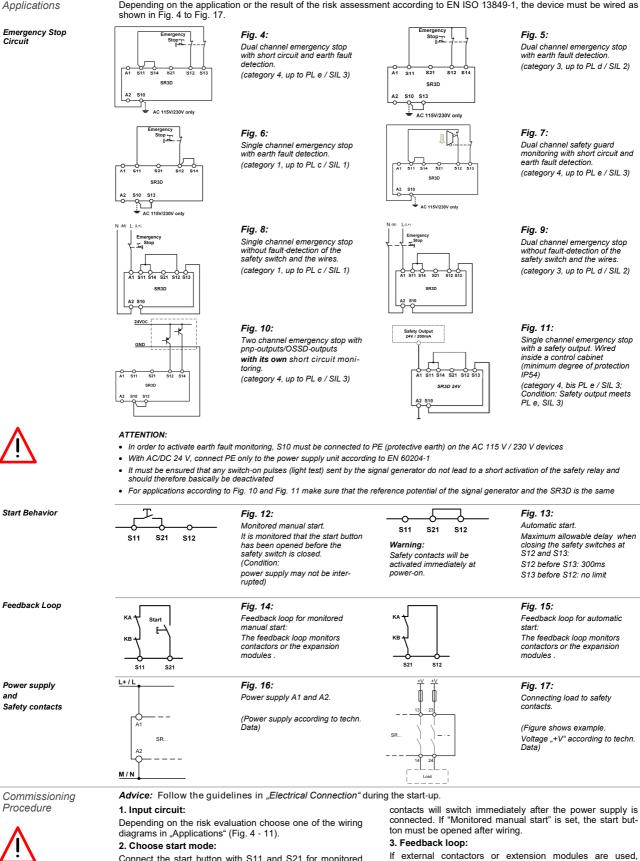
#### **User Information**

and

Depending on the application or the result of the risk assessment according to EN ISO 13849-1, the device must be wired as

Enalish translation

Errors and technical changes reserved



Connect the start button with S11 and S21 for monitored manual start or connect S21 with S12 directly for automatic start (Fig. 12 or 13). Warning:

If "Automatic start" is set, bear in mind that the safety

#### 4. Power supply: Connect the power supply to A1 and A2 (Depending on Application Fig. 8, 9, 11 or 16).

connect them according to Fig. 14 or Fig. 15.

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#### **User Information**



	<ul> <li><i>Caution:</i> Power must not yet be activated.</li> <li>5. Starting the device: Switch on the operating voltage.</li> <li><i>Warning:</i> If the "Automatic start" starting behavior is set, the safety contacts will close immediately.</li> <li>If the "Monitored manual start" starting behavior is set,</li> </ul>	<ul> <li>close the start button to close the safety contacts. LEDs Ka and K2 are lit.</li> <li>6. Triggering safety function:</li> <li>Open the emergency stop circuit by actuating the connected safety switch. The safety contacts open immediately.</li> <li>7. Reactivation:</li> <li>Switch the device on again as described under 5.</li> </ul>
Check and Mainte- nance	<ul> <li>The following checks are regularly required to ensure proper and continuous functioning:</li> <li>Check the switch function</li> <li>Check for signs of manipulation and safety function bypassing</li> <li>Check if the device is mounted and connected securely</li> <li>Ceck for soiling</li> </ul>	<ul> <li>Check if the safety device is working properly, in particular:</li> <li>Every time after initial commissioning</li> <li>Every time after replacing a component</li> <li>After every fault in the safety circuit</li> </ul>
	Regardless of this, the safe functioning of the safety device sh nance schedule of the plant. No maintenance is required for th	ould be checked at suitable intervals, e.g. as part of the mainte e device itself
What to do in Case of a Fault?	<ul> <li>Device does not switch on:</li> <li>Check the wiring by comparing it to the wiring diagrams.</li> <li>Check the safety switch used for correct function and adjustment.</li> <li>Check whether the emergency stop circuit is closed.</li> <li>Check whether the start button (manual start) is closed.</li> <li>Check the operating voltage at A1 and A2.</li> <li>Is the feedback loop closed?</li> </ul>	<ul> <li>Device cannot be switched on again after an emergency stop:</li> <li>Emergency stop circuit was closed again.</li> <li>Was the start button opened before closing of the emergency stop circuit (manual start)?</li> <li>Is the feedback loop closed?</li> <li>If the fault still exists, perform the steps listed unde "Commissioning Procedure". If these steps do not remedy</li> </ul>
	Caution: Opening the device is impermissible and will void	the fault either, return the device to the manufacturer. d the warranty.
Fechn. Data	In compliance with	EN 60204-1; EN ISO 13849-1; EN IEC 62061; EN 50156-1 EN 746-2; IEC 61508 Parts 1-2 and 4-7; IEC 61511-1
	Operating voltage	AC 230 V, AC 115 V, AC/DC 24 V
	Rated supply frequency	50-60 Hz
	Allowable tolerance	+ / - 10 %
	Power consumption	DC 24 V AC 230 V approx. 2 W approx. 6.9 VA
	Control voltage at S11	DC 24 V
	Control current at S11S14	max. 100 mA
	Safety contacts	3 NO
	Auxiliary contacts	1 NC
	Switching voltage max.	AC 250 V
	Contact rating of safety contacts (13-14, 23-24, 33-34) *) 6 switching cycles/ min	<ul> <li>AC: 250 V, 2000 VA, 8 A for resistive load 250 V, 3 A for AC-15</li> <li>DC: 30 V, 240 W, 8 A for resistive load 24 V, 3 A for DC-13</li> <li>UL: B300 / R300</li> <li>Cumulative current Max. 15 A (13-14, 23-24, 33-34)</li> </ul>
	Contact rating of auxiliary contact (41-42)	AC: 250 V, 500 VA, 2 A for resistive load DC: 30 V, 60 W, 2 A for resistive load
	Minimum voltage/current External fuses for safety contacts	5 V, 10 mA 10 A gG 6 A gG for applications acc. to EN 50156-1 (See Chapter 10.5.5.3.4)
	Wire width	0.14 - 2.5 mm <sup>2</sup>
	Tightening moment (Min. / Max.)	0.14 - 2.5 mm <sup>2</sup> 0.5 Nm / 0.6 Nm
	Tightening moment (Min. / Max.) Typ. switch-on delay / switch-off delay	0.14 - 2.5 mm <sup>2</sup> 0.5 Nm / 0.6 Nm < 30 ms / < 20 ms
	Tightening moment (Min. / Max.) Typ. switch-on delay / switch-off delay Length of control lines	0.14 - 2.5 mm <sup>2</sup> 0.5 Nm / 0.6 Nm < 30 ms / < 20 ms Max. 1000 m at 0.75 mm <sup>2</sup>
	Tightening moment (Min. / Max.) Typ. switch-on delay / switch-off delay Length of control lines Contact material	0.14 - 2.5 mm <sup>2</sup> 0.5 Nm / 0.6 Nm < 30 ms / < 20 ms Max. 1000 m at 0.75 mm <sup>2</sup> AgSnO <sub>2</sub>
	Tightening moment (Min. / Max.) Typ. switch-on delay / switch-off delay Length of control lines Contact material Service Life	0.14 - 2.5 mm <sup>2</sup> 0.5 Nm / 0.6 Nm < 30 ms / < 20 ms Max. 1000 m at 0.75 mm <sup>2</sup> AgSnO <sub>2</sub> mech. approx. 1 x $10^7$
	Tightening moment (Min. / Max.) Typ. switch-on delay / switch-off delay Length of control lines Contact material Service Life Rated impulse withstand voltage	0.14 - 2.5 mm <sup>2</sup> 0.5 Nm / 0.6 Nm < 30 ms / < 20 ms Max. 1000 m at 0.75 mm <sup>2</sup> AgSnO <sub>2</sub> mech. approx. 1 x $10^7$ 2.5 kV (control voltage / contacts)
	Tightening moment (Min. / Max.) Typ. switch-on delay / switch-off delay Length of control lines Contact material Service Life Rated impulse withstand voltage Dielectric strength	0.14 - 2.5 mm <sup>2</sup> 0.5 Nm / 0.6 Nm < 30 ms / < 20 ms Max. 1000 m at 0.75 mm <sup>2</sup> AgSnO <sub>2</sub> mech. approx. 1 x $10^7$ 2.5 kV (control voltage / contacts) 4 kV (EN 60664-1)
	Tightening moment (Min. / Max.) Typ. switch-on delay / switch-off delay Length of control lines Contact material Service Life Rated impulse withstand voltage	0.14 - 2.5 mm <sup>2</sup> 0.5 Nm / 0.6 Nm < 30 ms / < 20 ms Max. 1000 m at 0.75 mm <sup>2</sup> AgSnO <sub>2</sub> mech. approx. 1 x $10^7$ 2.5 kV (control voltage / contacts)
	Tightening moment (Min. / Max.) Typ. switch-on delay / switch-off delay Length of control lines Contact material Service Life Rated impulse withstand voltage Dielectric strength Rated insulation voltage	$0.14 - 2.5 \text{ mm}^2$ $0.5 \text{ Nm} / 0.6 \text{ Nm}$ $< 30 \text{ ms} / < 20 \text{ ms}$ Max. 1000 m at 0.75 mm²         AgSnO2         mech. approx. 1 x 10 <sup>7</sup> 2.5 kV (control voltage / contacts)         4 kV (EN 60664-1)         250 V         IP20         DC 24 V:       -15 °C bis +55 °C
	Tightening moment (Min. / Max.) Typ. switch-on delay / switch-off delay Length of control lines Contact material Service Life Rated impulse withstand voltage Dielectric strength Rated insulation voltage Protection Temperature range	$\begin{array}{c} 0.14 - 2.5 \mbox{ mm}^2 \\ 0.5 \mbox{ Nm} / 0.6 \mbox{ Nm} \\ < 30 \mbox{ ms} / < 20 \mbox{ ms} \\ Max. 1000 \mbox{ m at } 0.75 \mbox{ mm}^2 \\ \mbox{ AgSnO}_2 \\ mech. approx. 1 x 10^7 \\ 2.5 \mbox{ kV} \mbox{ (control voltage / contacts)} \\ 4 \mbox{ kV} \mbox{ (control voltage / contacts)} \\ 4 \mbox{ kV} \mbox{ (EN 60664-1)} \\ 250 \mbox{ V} \\ IP20 \\ IP20 \\ DC 24 \mbox{ V: } -15 \mbox{ °C bis } +55 \mbox{ °C} \\ AC 115 \mbox{ V} / 230 \mbox{ V: } -15 \mbox{ °C bis } +55 \mbox{ °C} \mbox{ (see load curve)} \end{array}$
	Tightening moment (Min. / Max.) Typ. switch-on delay / switch-off delay Length of control lines Contact material Service Life Rated impulse withstand voltage Dielectric strength Rated insulation voltage Protection	$0.14 - 2.5 \text{ mm}^2$ $0.5 \text{ Nm} / 0.6 \text{ Nm}$ $< 30 \text{ ms} / < 20 \text{ ms}$ Max. 1000 m at 0.75 mm²         AgSnO2         mech. approx. 1 x 10 <sup>7</sup> 2.5 kV (control voltage / contacts)         4 kV (EN 60664-1)         250 V         IP20         DC 24 V:       -15 °C bis +55 °C
	Tightening moment (Min. / Max.) Typ. switch-on delay / switch-off delay Length of control lines Contact material Service Life Rated impulse withstand voltage Dielectric strength Rated insulation voltage Protection Temperature range Max. altitude	0.14 - 2.5 mm <sup>2</sup> 0.5 Nm / 0.6 Nm < 30 ms / < 20 ms Max. 1000 m at 0.75 mm <sup>2</sup> AgSnO <sub>2</sub> mech. approx. 1 x 10 <sup>7</sup> 2.5 kV (control voltage / contacts) 4 kV (EN 60664-1) 250 V IP20 DC 24 V: -15 °C bis +55 °C AC 115 V / 230 V: -15 °C bis +55 °C (see load curve) ≤ 2000 m (above sea level)

\*) If several SR3D-24V are mounted closely together the maximum cumulative current is 9A at an ambient temperature of 20°C or 3 A at 30 °C or 1 A at 40 °C. If the current exceeds these limits, keep a minimum space of 5 mm between the devices.

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#### **User Information**

Load curve

English translation Errors and technical changes reserved

Disclaimer and warranty If the above mentioned conditions for appropriate use are not complied with or if the safety instructions are not followed or if any maintenance operations are not carried out as required, this shall lead to an exclusion of liability and loss of warranty.

#### ATTENTION!

We would like to point out that it is the full responsibility of the operator to ensure a plant availability. Using the SR3D, a safety emergency stop relay according

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- to
- EN ISO 13849-1
- EN IEC 62061
- IEC 61508
- EN 50156-1

ΣI<sup>2</sup> [A<sup>2</sup>]

220 200

150

100 81

50

10

- EN 746-2
- IEC 61511-1

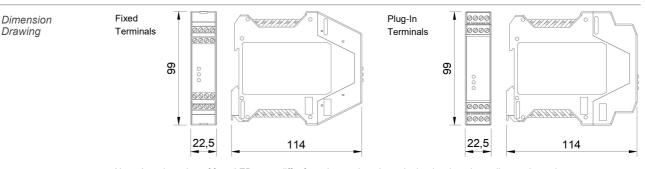
If the above mentioned conditions for appropriate use are not complied with or if the safety instructions are not followed or if any maintenance operations are not carried out

This means that the connected load is switched off as soon as a request from connected sensor elements or diagnostic measures detects a dangerous state, e.g. caused by a component fault.

Since process-related applications in particular have high demands on availability, limited availability can also have significant consquences. It is therefore recommended to stock a second unit to avoid long downtimes in such a case. These are recommendations of the manufacturer, the evaluation of the importance of the plant availability is the sole responsibility of the operator.

Max. cumulative current depending on the ambient temperature for AC 115 V / 230 V variants with 10 mm space between the devices.

Cumulative current:  $\sum I^2 = (I_1 + I_2 + I_3)^2$ 



. Ta [°C]

60

Note: Actual number of front LEDs may differ from the number shown in the drawing, depending on the variant.

		fixed screw terminals
	, , , , , , , , , , , , , , , , , , , ,	
Order No. 472271	SR3D, AC 115 V (50-60 Hz),	fixed screw terminals
Order No. 472272	SR3D, AC/DC 24 V (AC: 50-60 Hz),	fixed screw terminals
Order No. 474270	SR3D, AC 230 V (50-60 Hz),	incl. plug-in screw terminals
Order No. 474271	SR3D, AC 115 V (50-60 Hz),	incl. plug-in screw terminals
Order No. 474272	SR3D, AC/DC 24 V (AC: 50-60 Hz),	incl. plug-in screw terminals
Order No. 475270	SR3D, AC 230 V (50-60 Hz),	incl. push-in twin spring connector
Order No. 475271	SR3D, AC 115 V (50-60 Hz),	incl. push-in twin spring connector
Order No. 475272	SR3D, AC/DC 24 V (AC: 50-60 Hz),	incl. push-in twin spring connector
Order No. 472592	EKLS4,	set of plug-in screw terminals
Order No. 472595	EKLZ4,	set of push-in twin spring connector
Order No. 472596	Spacer Electric Cabinet	rail spacer 5mm, PU = 12 pcs
	Order No. 474270 Order No. 474271 Order No. 474272 Order No. 475270 Order No. 475271 Order No. 475272 Order No. 472592 Order No. 472595	Order No. 472271         SR3D, AC 115 V (50-60 Hz),           Order No. 472272         SR3D, AC/DC 24 V (AC: 50-60 Hz),           Order No. 474270         SR3D, AC 230 V (50-60 Hz),           Order No. 474271         SR3D, AC 230 V (50-60 Hz),           Order No. 474272         SR3D, AC 115 V (50-60 Hz),           Order No. 474272         SR3D, AC 230 V (50-60 Hz),           Order No. 474270         SR3D, AC 230 V (50-60 Hz),           Order No. 475270         SR3D, AC 230 V (50-60 Hz),           Order No. 475271         SR3D, AC 115 V (50-60 Hz),           Order No. 475272         SR3D, AC/DC 24 V (AC: 50-60 Hz),           Order No. 475272         SR3D, AC/DC 24 V (AC: 50-60 Hz),           Order No. 475272         SR3D, AC/DC 24 V (AC: 50-60 Hz),           Order No. 475292         EKLS4,           Order No. 472595         EKLZ4,

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#### **User Information**



Safety	Safety characteristics according to EN ISO 13849-1			
Charcteristics	Load - AC-15 / DC-13	≤1A/≤1A	≤ 2A / ≤ 2A	≤ 3A / ≤ 3A
	Max. duration of use [Years]	20	20	20
	Category	4	4	4
	PL	е	е	е
	<b>PFHd</b> [1/h]	1.2E-08	1.2E-08	1.2E-08
	nop [Cycles / year] - AC-15 / DC-13	≤ 50,000 / ≤ 350,000	≤ 35,000 / ≤ 100,000	≤ 8,760 / ≤ 8,760
	Safety characteristics according to I	EC 61508 - High Demand		
	Conditions: Days of operation/year:	365; Hours/Day: 24; Switchi	ng-Cycle/Hour: 1; Maximum	load AC-15 / DC-13
	Max. duration of use [Years]		20	
	Proof-Test-Intervall [Years]	20		
	PFH [1/h]		9.69E-11	
	SIL		3	
	Safety characteristics for alternate 1	oo1 structure for process ir	dustry - High Demand	
	Conditions: Days of operation/year:	365; Hours/Day: 24; Switch	<b>3</b> ,	load AC-15 / DC-13
	Device type	Α		
	HFT	0		
	SIL	3		
	SFF [%]	99.93		
	λ <sub>sd</sub> [FIT]	0		
	λ <sub>su</sub> [FIT]	121.09		
	λ <sub>PD</sub> [FIT]	9.66		
	λ <sub>pu</sub> [FIT]	0.10		
	PFH [1/h]		9.69E-11	
	Safety characteristics according to IEC 61508 - Low Demand			
	Conditions: Maximum load AC-15 / DC-13			
	Max. duration of use [Years]		20	
	Proof-Test-Intervall [Years]	9		
	PFD <sub>AVG</sub>	9.87E-05		
	SIL		3	
	Safety characteristics for alternate 1001 structure for process industry - Low Demand			
	Safety characteristics for alternate 1			
	Conditions: Maximum load AC-15 / E	•	-	
	Conditions: Maximum load AC-15 / Device type	•	A	
	Conditions: Maximum load AC-15 / Device type HFT	•	A 0	
	Conditions: Maximum load AC-15 / Device type HFT SIL	•	A 0 3	
	Conditions: Maximum load AC-15 / Device type HFT	•	A 0 3 97.49	
	Conditions: Maximum load AC-15 / Device type HFT SIL	•	A 0 3	
	Conditions: Maximum load AC-15 / Device type HFT SIL SFF [%]	•	A 0 3 97.49	
	Conditions: Maximum load AC-15 / Γ           Device type           HFT           SIL           SFF [%]           λ <sub>SD</sub> [FIT]           λ <sub>su</sub> [FIT]	•	A 0 3 97.49 0	
	Conditions: Maximum load AC-15 / Γ Device type HFT SIL SFF [%] λ <sub>sp</sub> [FIT]	•	A 0 3 97.49 0 121.09	

Proof-Test

In order to check the proper function of the device, the following steps have to be carried out

• Demand the safety function by opening the safety circuit. Check that the relay contact (13-14; 23-24; 33-34) opened by activation of the safety function.

• Close the safety circuit and start the device again. Check that the safety contacts (13-14; 23-24; 33-34) closed again. If the device doesn't switch on again, the proof-test failed.

ATTENTION:



If the proof-test fails, the device must be replaced. Otherwise there is a risk of loss of functional safety.

**User Information** 

**Enalish translation** Errors and technical changes reserved

CE Declaration

### EC Declaration of Conformity Déclaration de conformité

Produktgruppe:         Sicherheits-Not-Halt-Schaltgeräte           Product Group:         Safety emergency stop switching devices           Groupe de produits:         Relais de sécurité d'arrêt d'urgence           Product Name         Anbringung der CE-Kennzeichnung         Zertifikats-Nr.           No of Certificat         Application du marque CE         No of Certificate           SRLC         2023         01/205/5463.03/2           SR3D         2023         01/205/5463.03/2           SR3D         2023         01/205/5463.03/2           SR3A         2023         01/205/5463.03/2           SR3AD         2023         01/205/5463.03/2           SR3AD         2023         01/205/5463.03/2           SR3AD         2023         01/205/5463.03/2           SR3D         2023         01/205/5463.03/2           SR3AD         2023         01/205/5463.03/2           SR3AD         2023         01/205/5463.03/2	Hersteller: Producer: Fabricant:	H. ZANDER GmbH & Co. KG Am Gut Wolf 15 • 52070 Aachen • Deutschland	
Product Name         Affixing of CE marking:         No of Certificate           Nom du produit         Application du marque CE         N° du certificat           SRLC         2023         01/205/5463.03/2           SR3C         2023         01/205/5463.03/2           SR3D         2023         01/205/5463.03/2           SR3A         2023         01/205/5463.03/2           SR3A         2023         01/205/5463.03/2           SR3A         2023         01/205/5463.03/2	Product Group:	Safety emergency stop switching devices	
SR2C.         2023.         01/205/5463.03/2           SR3C.         2023.         01/205/5463.03/2           SR3D.         2023.         01/205/5463.03/2           SR3A.         2023.         01/205/5463.03/2           SR3A.         2023.         01/205/5463.03/2           SR3AD.         2023.         01/205/5463.03/2	Product Name	Affixing of CE marking:	No of Certificate
SR3D         01/205/5463.03/2           SR3A         2023         01/205/5463.03/2           SR3AD         01/205/5463.03/2         01/205/5463.03/2	SR2C		
SR3AD	SR3D		01/205/5463.03/23
51(5D	SR3AD		01/205/5463.03/23

Die Produkte stimmen mit den Vorschriften folgender Europäischer Richtlinien überein: The products conform with the essential protection requirements of the following European directives: Les produits sont conformes aux dispositions des directives européennes suivantes:

2006/42/EG	: Maschinenrichtlinie	2011/65/EU: RoHS Richtlinie
2006/42/EG	: Machinery directive	2011/65/EU: RoHS directive
2006/42/EG	: Directive Machines	2011/65/EU: Directive RoHS
2014/30/EU 2014/30/EU 2014/30/EU	: EMV Richtlinie : EMC directive : Directive CEM	

Die Übereinstimmung der bezeichneten Produkte mit den Vorschriften der o.a. Richtlinie wird, falls an-

Wendbar, nachgewiesen durch die vollständige Einhaltung folgender Normen: If applicable, the conformity of the designated products is proved by full compliance with the following standards: Le strict respect des norms suivantes confirme, s`il y a lieu, que les produits désignés sont conformes aux dispositions de la directive susmentionnée:

EN 61326-3-1:2018	EN IEC 61000-6-2:2019	IEC 63000:2018	
Gemäß Zertifikat der benan			

According to the certificate of the below mentioned organisation: Selon de organisme notifé:

EN ISO 13849-1:2015

EN ISO 13849-1:2023

IEC 61508 Parts 1-7:2010

Benannte Stelle / Organisme notifé: Nr. NB 0035 TÜV Rheinland Industrie Service GmbH 51105 Köln Zertifizierungsstelle für Maschinen

Dokumentationsbeauftragte/-r: Christiane Nittschalk Documentation manager Autorisé à constituer le dossier technique

Leit

Aachen, den 24.10.2023

-Ing. Marco Za Ger ral Ma

F7.3-07/03 Dipl.-Ing. Alfr iter CE-Konfo

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