

Certificate No.: SGS/230227

# CERTIFICATE OF SUITABILITY

This certificate is issued by **SGS Australia Pty Ltd** in accordance with the SGS Electrical Type Testing Scheme accredited by JAS-ANZ under AS/NZS ISO/IEC 17065. SGS certifies the electrical equipment described hereunder complies with the standard/s listed herein. It is a requirement that the electrical equipment supplied under this certificate shall be identical to the electrical equipment as certified. The electrical equipment may be marked with the regulatory compliance mark (RCM) in accordance with its conditions of use as set out in AS/NZS 4417.1 and the authorised marking as specified herein.

## CERTIFICATE HOLDER

Company Name: Grundfos Holding A/S  
 Address: Poul Due, Jensens Vej 7; 8850 Bjerringbro, Denmark


## CERTIFICATION DETAILS

Certification Standard: IEC 62109-1:2010 and IEC 62109-2:2011  
 Conditions: Only for solar pump application. Suitable for sale in Australia / New Zealand.  
 Authorised Marking: SGS-230227-E  
 Certificate Issue Date: 13 April 2023  
 Certificate Expiry Date: 12 April 2028

## ELECTRICAL EQUIPMENT

Description: Frequency Converter  
 Remark: Certificate revised on 22/11/2023 based on a correction report No. 2219/0368-1, date of correction 17 Nov 2023, issued by SGS Tecnos

Trade Name	Model Number	Ratings
GRUNDFOS	RSI0100-3L-0016-5	Input: 436-800 Vdc; 18.0 A; 7.5 kW; Output: 0-500 Vac; 16 A; 8.0 kVA; 0-320 Hz; Class I; Current values are maximum continuous values. Input values are DC. Voltage and power are rated values. Maximum operating temperature: +50 °C with derating (1.5%/1°C) above 40°C. Model available with IP21 or IP54.
GRUNDFOS	RSI0100-3L-0031-5	Input: 436-800 Vdc; 35.0 A; 15 kW; Output: 0-500 Vac; 31 A; 15.5 kVA; 0-320 Hz; Class I; Current values are maximum continuous values. Input values are DC. Voltage and power are rated values. Maximum operating temperature: +50 °C with derating (1.5%/1°C) above 40°C. Model available with IP21 or IP54.
GRUNDFOS	RSI0100-3L-0061-5	Input: 436-800 Vdc; 69.0 A; 30 kW; Output: 0-500 Vac; 61 A; 30.5 kVA; 0-320 Hz; Class I; Current values are maximum continuous values. Input values are DC. Voltage and power are rated values. Maximum operating temperature: +50 °C with derating (1.5%/1°C) above 40°C. Model available with IP21 or IP54.



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available with IP21 or IP54.

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| GRUNDFOS | RSI0100-3L-0087-5 | Input: 436-800 Vdc; 100.0 A; 45 kW;<br>Output: 0-500 Vac; 87 A; 43.5 kVA; 0-320 Hz; Class I;<br>Current values are maximum continuous values. Input values are DC. Voltage and power are rated values. Maximum operating temperature: +50 °C with derating (1.5%/1°C) above 40°C. Model available with IP21 or IP54.          |
| GRUNDFOS | RSI0100-3L-0105-5 | Input: 436-800 Vdc; 121.0 A; 55 kW;<br>Output: 0-500 Vac; 105 A; 52.5 kVA; 0-320 Hz; Class I;<br>Current values are maximum continuous values. Input values are DC. Voltage and power are rated values. Maximum operating temperature: +50 °C with derating (1.5%/1°C) above 40°C. Model available with IP21 or IP54.         |
| GRUNDFOS | RSI0100-3L-0205-5 | Input: 436-800 Vdc; 239.0 A; 110 kW;<br>Output: 0-500 Vac; 205 A; 102.5 kVA; 0-320 Hz; Class I;<br>Current values are maximum continuous values. Input values are DC. Voltage and power are rated values. Maximum operating temperature: +50 °C with derating (1.5%/1°C) above 40°C. Model available with IP21; IP54 or IP00. |
| GRUNDFOS | RSI0100-3L-0261-5 | Input: 436-800 Vdc; 304.0 A; 132 kW;<br>Output: 0-500 Vac; 261 A; 130.5 kVA; 0-320 Hz; Class I;<br>Current values are maximum continuous values. Input values are DC. Voltage and power are rated values. Maximum operating temperature: +50 °C with derating (1.5%/1°C) above 40°C. Model available with IP21; IP54 or IP00. |
| GRUNDFOS | RSI0100-3L-0310-5 | Input: 436-800 Vdc; 361.0 A; 160 kW;<br>Output: 0-500 Vac; 310 A; 155.0 kVA; 0-320 Hz; Class I;<br>Current values are maximum continuous values. Input values are DC. Voltage and power are rated values. Maximum operating temperature: +50 °C with derating (1.5%/1°C) above 40°C. Model available with IP21; IP54 or IP00. |
| GRUNDFOS | RSI0100-3L-0386-5 | Input: 436-800 Vdc; 454.0 A; 200 kW;<br>Output: 0-500 Vac; 385 A; 192.5 kVA; 0-320 Hz; Class I;<br>Current values are maximum continuous values. Input values are DC. Voltage and power are rated values. Maximum operating temperature: +50 °C with derating (1.5%/1°C) above 40°C. Model available with IP21; IP54 or IP00. |
| GRUNDFOS | RSI0100-3L-0460-5 | Input: 436-800 Vdc; 542.0 A; 250 kW;<br>Output: 0-500 Vac; 460 A; 230.0 kVA; 0-320 Hz; Class I;<br>Current values are maximum continuous values. Input values are DC. Voltage and power are rated values. Maximum operating temperature: +50 °C with derating (1.5%/1°C) above 40°C. Model available with IP21; IP54 or IP00. |



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