





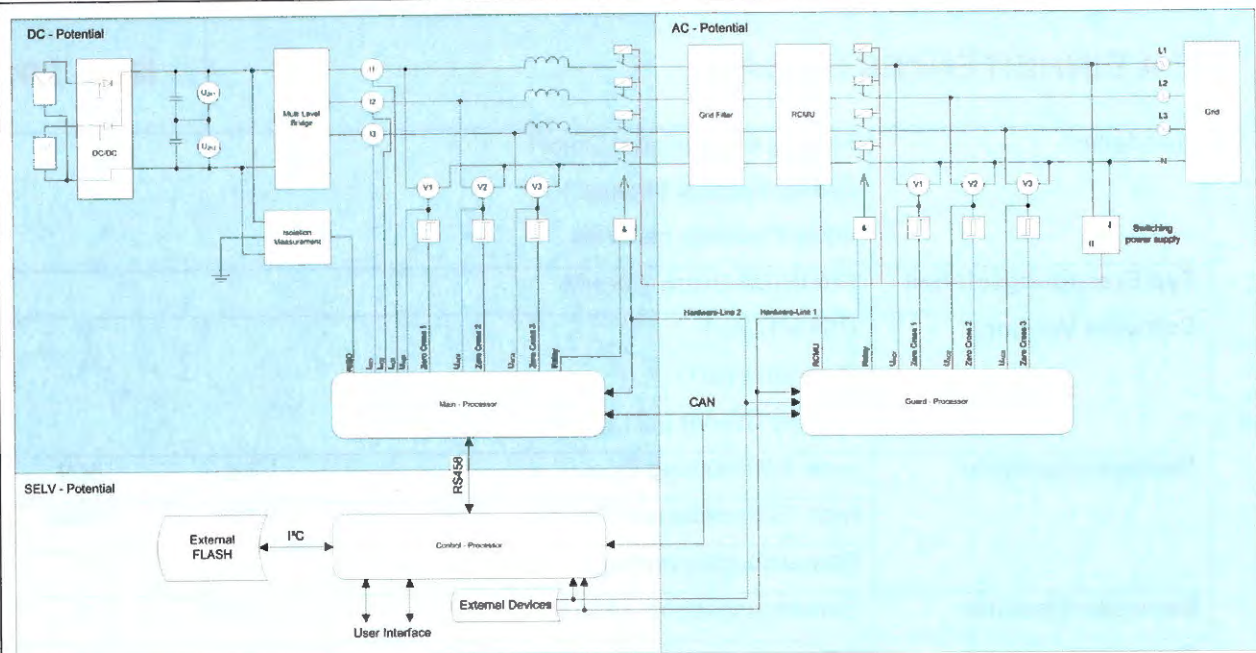


| E.4 EINHEITENZERTIFIKAT | | | Nr.: 2019-58 | | | | | | | | | | | | | | | | | | | |
|--|---|---|--|--|---------|---------------|---------------|---------|------------|--|------|-------|--|---------|--------|--------|---------|--------|--|-------------|---------|--|
| Hersteller | Fronius International GmbH Günter Fronius Strasse 1 4600 Thalheim bei Wels | | | | | | | | | | | | | | | | | | | | | |
| Typ Erzeugungseinheit | FRONIUS Symo 7.0-3-M | | | | | | | | | | | | | | | | | | | | | |
| Software Version | PS1:V1.2.0.1 PS2:V0.9.24.1 Display SW:V0.3.21.0 | | | | | | | | | | | | | | | | | | | | | |
| Bemessungswerte | max. Wirkleistung $P_{E_{max}}$ | 7.0 | kW | | | | | | | | | | | | | | | | | | | |
| | max. Scheinleistung $S_{E_{max}}$ | 7.0 | kVA | | | | | | | | | | | | | | | | | | | |
| | Bemessungsspannung | 230 | V | | | | | | | | | | | | | | | | | | | |
| Bemessungswerte | Bemessungsstrom (AC) I_r | 10.2 | A | | | | | | | | | | | | | | | | | | | |
| Bemessungswerte | Anfangskurzschlusswechselstrom I_k'' | 24 | A | | | | | | | | | | | | | | | | | | | |
| Netzanschlussregel | VDE-AR-N 4105:2018-11 „Erzeugungsanlagen am Niederspannungsnetz“ Technische Mindestanforderungen für Anschluss und Parallelbetrieb von Erzeugungsanlagen am Niederspannungsnetz | | | | | | | | | | | | | | | | | | | | | |
| Prüfanforderung | DIN VDE V 0124-100 (VDE V 0124-100) „Netzintegration von Erzeugungsanlagen - Niederspannung“ Prüfanforderungen an Erzeugungseinheiten vorgesehen zum Anschluss und Parallelbetrieb am Niederspannungsnetz | | | | | | | | | | | | | | | | | | | | | |
| Die oben bezeichnete Erzeugungseinheit erfüllt die Anforderungen der VDE-AR-N 4105:2018-11. | | | | | | | | | | | | | | | | | | | | | | |
| Technische Daten | | | | | | | | | | | | | | | | | | | | | | |
|  www.fronius.com | |    | <table border="1"> <tr> <td>UAC nom</td> <td>220 V / 380 V</td> <td>230 V / 400 V</td> </tr> <tr> <td>fAC nom</td> <td colspan="2">50 / 60 Hz</td> </tr> <tr> <td>Grid</td> <td colspan="2">3-NPE</td> </tr> <tr> <td>IAC nom</td> <td>10.6 A</td> <td>10.2 A</td> </tr> <tr> <td>IAC max</td> <td colspan="2">13.5 A</td> </tr> <tr> <td>Snom / Smax</td> <td colspan="2">7000 VA</td> </tr> </table> | | UAC nom | 220 V / 380 V | 230 V / 400 V | fAC nom | 50 / 60 Hz | | Grid | 3-NPE | | IAC nom | 10.6 A | 10.2 A | IAC max | 13.5 A | | Snom / Smax | 7000 VA | |
| UAC nom | 220 V / 380 V | 230 V / 400 V | | | | | | | | | | | | | | | | | | | | |
| fAC nom | 50 / 60 Hz | | | | | | | | | | | | | | | | | | | | | |
| Grid | 3-NPE | | | | | | | | | | | | | | | | | | | | | |
| IAC nom | 10.6 A | 10.2 A | | | | | | | | | | | | | | | | | | | | |
| IAC max | 13.5 A | | | | | | | | | | | | | | | | | | | | | |
| Snom / Smax | 7000 VA | | | | | | | | | | | | | | | | | | | | | |
| Model No. | |   | | | | | | | | | | | | | | | | | | | | |
| Part No. | | | | | | | | | | | | | | | | | | | | | | |
| Ser. No. | | | | | | | | | | | | | | | | | | | | | | |
| WLAN / LAN / Webserver | | | cos φ | | | | | | | | | | | | | | | | | | | |
| Demand response modes (DRM) 0, and 5-8 ready | | | 0.85-1 ind./cap. | | | | | | | | | | | | | | | | | | | |
| AS/NZS 4777.2 | | | Pmax (cosφ=0.9 / cosφ=1) | | | | | | | | | | | | | | | | | | | |
| Non-isolated inverter | | | 6300 W / 7000 W | | | | | | | | | | | | | | | | | | | |
| VDE-AR-N 4105 | | | UDC mpp | | | | | | | | | | | | | | | | | | | |
| DIN VDE V 0126-1-1 | | | 228 - 800 V | | | | | | | | | | | | | | | | | | | |
| CEI 0-21 | | | UDC min / max | | | | | | | | | | | | | | | | | | | |
| Safety Class 1 | | | 150 - 1000 V | | | | | | | | | | | | | | | | | | | |
| IP 65 | | | IDC max +1 / IDC max +2 | | | | | | | | | | | | | | | | | | | |
| | | | 16.0 A / 16.0 A | | | | | | | | | | | | | | | | | | | |
| | | | Isc pv | | | | | | | | | | | | | | | | | | | |
| | | | 48.0 A | | | | | | | | | | | | | | | | | | | |

Schematischer Aufbau



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|---------------|---|
| Wirkungsweise | 3 phasiger netzgekoppelter Photovoltaik-Wechselrichter ohne galvanische Trennung und mit integriertem NA-Schutz |
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Thalheim, 15.04.2019

Dieses Einheitszertifikat darf nicht in Ausschnitten verwendet werden.



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