

# DC SURGE PROTECTION DEVICE

## TYPE 1+2 FOR 2 MPP TRACKER

For direct installation in

- / Fronius Symo GEN24 Plus (all power categories)
- / Fronius Primo GEN24 Plus (all power categories)



The surge protection device type 1+2 for direct and indirect lightning strikes is suitable for use with the Fronius Symo GEN24 Plus and Fronius Primo GEN24 Plus (all power categories) inverters and therefore fulfils the standard requirement of installing a DC fuse near the inverter<sup>1)</sup>.

The surge protective device is equally applicable for all devices, regardless of whether 1 or 2 trackers are being used. When only one tracker is in operation, one input on the surge protective device remains unassigned.

Thanks to the adjustable, integrated remote signalling function, the system operator is notified automatically via the Fronius Solar.web<sup>2)</sup> online portal whenever the surge protective device trips.

The surge protective device comes as an upgrade kit and can be installed into the inverter connection area in a few minutes.

TECHNICAL DATA	
Item designation	DC SPD Type 1+2 GEN24
Item number	4,240,313,CK
Nominal voltage	1000 VDC
Fault indicator	mechanical, red
Remote message signal	integrated
Standards	IEC 61643-31 / DIN EN 50539-11; UL1449 ed.4 / VDE 0185-305-3 Bbl. 5

<sup>1)</sup> Since April 2019, DIN VDE 0100-712 requires that a DC fuse be installed on PV systems. In DIN VDE Appendix ZB Section 712.534 DE, it is stipulated that the surge protective devices be fitted on the DC side as close to the inverter as possible. By installing the DC SPD 8.2 type 1+2 M surge protective device, these standard requirements are fulfilled.

<sup>2)</sup> A Fronius Solar.web account is required