



## SURGE PROTECTION DEVICE FOR FRONIUS SYMO 10.0 - 20.0 KW AND FRONIUS ECO



/ The type 2 surge protection device and the type 1+2 combi arrester (DC SPD type 1+2) for direct or indirect lightning strikes are particularly suitable for use with the Fronius Symo 10.0 - 20.0 kW and Fronius Eco inverters. For the Fronius Symo, customers can choose from two options for each variant depending on the application: the single MPPT option if both MPPT trackers are connected or the multi MPPT option if both MPPT trackers are used separately. For the Fronius Eco on the other hand, only the single variant is required for the type 2 surge protection device. Both measuring channels can also be used with the single variant.<sup>1)</sup> As is the case with the Fronius Symo, customers can choose between the single MPPT option and the multi MPPT option for the type 1+2 combi arrester, depending on whether only one or both measuring channels are used. Thanks to the adjustable, integrated remote signalling function, the system operator is notified automatically via the Fronius Solar.web online portal<sup>2)</sup> whenever the surge protection trips. The plug-in modules allow for fast replacement in the event of a fault. Therefore only the individual module has to be replaced, rather than the entire surge protection device. The surge protection device is supplied pre-installed and fully cabled<sup>3)</sup>.

| TECHNICAL DATA         | DC SPD TYPE 1+2 - S                                       | DC SPD TYPE 1+2 - M | DC SPD TYPE 2 - S    | DC SPD TYPE 2 – M <sup>4)</sup> |
|------------------------|---|---------------------|----------------------|---------------------------------|
| Item number            | 4,251,024   | 4,251,025           | 4,251,019            | 4,251,020                       |
| Nominal voltage        | 880 V <sub>DC</sub>                                       |                     | 1000 V <sub>DC</sub> |                                 |
| Max. operating voltage | 1060 V <sub>DC</sub>                                      |                     | 1200 V <sub>DC</sub> |                                 |
| Cable cross section    | 2.5 - 25 mm <sup>2</sup>                                  |                     |                      |                                 |
| Fault indicator        | Mechanical, red   |                     |                      |                                 |
| Remote message signal  | Integrated  |                     |                      |                                 |
| Standards              | DIN EN 50539-11, UTE C61-740-51, EN 50539-11, UL1449 ed.3 |                     |                      |                                 |

- 1) Please note that the PV current display can be distorted by the hardware topology used. Neither the performance display nor the energy yield will be affected.
- 2) A Fronius Solar.web account is required.
- 3) The option must be ordered at the same time as the inverter.
- 4) This applies to the Fronius Symo.