

FRONIUS STRING CONTROL 250/25 FRONIUS STRING CONTROL 250/25 DCD DF

/ Professional string control of up to 25 module strings



/ The Fronius String Control 250/25 and Fronius String Control 250/25 DCD DF can be used to monitor and bundle up to 25 module strings at a current carrying capacity of 250 A max. Fitting fuses in the fuse holder could not be easier. Continuous comparison of string currents reliably and quickly detects even the smallest fault occurring anywhere in the system.

FRONIUS STRING CONTROL 250/25 AND FRONIUS STRING CONTROL 250/25 DCD DF

TECHNICAL DATA	FRONIUS STRING CONTROL 250/25	FRONIUS STRING CONTROL 250/25 DCD DF
Max. number of strings	25	25
Max. input current	250 A	250 A
Max. input current per string	20 A	20 A
Max. input voltage	600 V	600 V
Connections (DC in)	Terminals, 2.5 mm ² – 10 mm ² (with max. cable diameter of 7 mm)	Terminals, 1 mm ² – 25 mm ² (with max. cable diameter of 7 mm) ¹⁾
Connections (DC out)	M12 cable lug, max. 120 mm ²	M12 cable lug, max. 120 mm ²
Connections Fronius DATCOM	Two RJ 45 or terminals	Two RJ 45 or terminals
Environmental conditions	–25°C to +60°C	–25°C to +55 °C
Degree of protection	IP 55	IP 55
Power supply	12 V DC (optional)	12 V DC (optional)
Size (height x width x depth)	680 x 500 x 170 mm	822 x 571 x 216 mm
Weight	10 kg	18.4 kg

¹⁾ Depending on the cable. Please refer to the information in operating instruction regarding correct installation.

CONFIGURATION



THE BENEFITS OF FRONIUS STRING CONTROL 250/25 AND FRONIUS STRING CONTROL 250/25 DCD DF IN DETAIL

/ Professional monitoring of string currents

The String Control 250/25 and String Control 250/25 DCD DF continuously monitor and compare string currents from up to 25 connected strings. Faults occurring anywhere in the PV system, such as chafed cables or module shading, are immediately detected and located. When combined with the convenient system monitoring provided by Fronius DAT-COM, String Control makes the ideal monitoring tool for PV systems of all sizes.

/ Bundling of up to 25 module strings

Up to 25 strings can be combined in the Fronius String Control on a single main DC cable. The maximum total current is 250 A.

/ Module array protection

The use of string fuses means the Fronius String Control also protects the module array. This ensures effective protection of the modules.

OTHER SAFETY FEATURES ON THE FRONIUS STRING CONTROL 250/25 DCD DF

/ The Fronius String Control 250/25 DCD DF also provides other benefits:

/ All-pole fuse protection

All-pole fuse protection of the strings on the DC side protects against virtually every conceivable fault while also meeting the requirements of UK and French standards.

/ Integrated external DC disconnect

The integrated external DC disconnect allows the PV generator to be conveniently isolated from the inverter, enabling service and maintenance work to be performed safely on a de-energised system

/ Option: installation of overvoltage protection component, designed for standard rail mounting

The String Control 250/25 DCD DF allows an external overvoltage protection component, designed for standard rail mounting, to be installed. There is a choice of Type 1 (direct lightning protection) or Type 2 (indirect lightning protection) components.

/ The Fronius String Control 250/25 and Fronius String Control 250/25 DCD DF are compatible with all Fronius inverters. They are particularly suitable for use with Fronius central inverters.



/ Battery Charging Systems / Welding Technology / Solar Electronics

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