



CONERGY

Inverter accessories | Specifications

“DCD” DC Disconnect

If there is a failure or if maintenance work needs to be carried out, the inverter must be disconnected from the PV generator. A DC disconnect is used for this purpose. According to IEC standard 60364-7-712 (in line with VDE 0100 T712), an “accessible load switching device between the PV generator and inverter” is required by law. “DCD” DC disconnects meet and exceed the requirements of this standard and therefore ensure a high level of safety. They have also been developed in line with market requirements: the high voltage of up to 800 V_{DC} and the total permissible current of 25 and 40 A enable universal use of these DC disconnects. They are lightweight to allow for quick and easy installation and the high IP 65 protection category makes it possible to install the unit outside. Naturally, the “DCD” DC disconnect is compatible with all inverters in the Conergy IPG series.



PHOTOVOLTAICS

	DCD 5-1 25/800	DCD 5-1 40/800	DCD 5-1 25/800 B+C	DCD 5-1 40/800 B+C
Max. input voltage	800 V _{DC} (at -20 °C)	800 V _{DC} (at -20 °C)	800 V _{DC} (at -20 °C)	800 V _{DC} (at -20 °C)
Max. total current	25 A	40 A	25 A	40 A
Possible number of strings	5	5	5	5
Switch version	2-pole disconnect	2-pole disconnect	2-pole disconnect	2-pole disconnect
Input and output terminals	6 mm ²	6 mm ²	6 mm ²	6 mm ²
Protection type	IP 65	IP 65	IP 65	IP 65
Protection class	II	II	II	II
Permissible ambient temperatures	-20 to +50 °C (< 1 h up to max. 70 °C)	-20 to +50 °C (< 1 h up to max. 70 °C)	-20 to +50 °C (< 1 h up to max. 70 °C)	-20 to +50 °C (< 1 h up to max. 70 °C)
Dimensions (W × H × D)	300 × 200 × 130 mm	400 × 200 × 130 mm	400 × 200 × 130 mm	400 × 200 × 130 mm
Depth with switching lever	160 mm	160 mm	160 mm	160 mm
Weight	approx. 2.3 kg	approx. 2.3 kg	approx. 2.3 kg	approx. 2.3 kg

Available from:

DC-Disconnect-TD-ENG-0711