SHD-1 DC

STANDARD SERIES

- DESIGN: MODULAR
- DEGREE OF PROTECTION: IP65
- YEARS OF WARRANTY: 2
- UV RESISTANCE: YES
- READY TO CONNECT: YES
- WEIGHT: 1.000 KG

The connection panel from the Polish manufacturer KENO provides protection against the effects of indirect discharges on the direct current side. It is designed for use in grounded and isolated photovoltaic installations. Due to the high degree of IP protection, outdoor installation is possible. The design of the switchgear is intended for surface mounting. Depending on the equipment, switchboards can perform various functions.

BASIC PARAMETERS DC SIDE	
Number of inputs | PV string outputs	1 | 1
Quantity | Type of DC surge arrester | Type	1 | Dehn | T2
Connection type	Array MC4 Stäubli

ELECTRICAL AND MECHANICAL PARAMETERS OF THE HOUSING	
Model	PHS 4 T
Number of fields	4
Dimensions of housing without chokes and MC4 (Length|Width|Height)	120.00 | 128.00 | 201.00
Design in accordance with	EN 60670-1, EN 62208
Level of security	IP65
Protection class	II
Rated insulation voltage U_i	400 V AC, 1500 V DC
The incandescent rod test	650°C
Impact resistance	IK08
UV resistance	YES
Recyclable plastic	bezhalogenowy
Working temperature	-25ºC – +60ºC

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DC surge arrester used (SPD)	
Manufacturer / Model	Dehn DG M YPV SCI 1000
Made in accordance with	PN-EN 50539-11
Surge protection	T2
Maximum PV voltage (U_{CPV})	1000V
Short-circuit withstand (I_{SCPV})	10 kA
Total discharge current (8/20 µs) (I_{total})	40 kA
Nominal discharge current (8/20 µs) [(DC+/DC-) --> PE] (I_n)	12,5 kA
Maximum discharge current (8/20 µs) [(DC+/DC-) --> PE] (I_{max})	25 kA
Voltage protection level (U_p)	≤ 4 kV
Voltage protection level by 5 kA (U_p)	≤ 3,5 kV
Response time (t_A)	≤ 25 ns
Working temperature range (TU)	-40°C ... +80°C
Operation / failure indicator	green / red