



- DESIGN: MODULAR
- DEGREE OF PROTECTION: IP65
- YEARS OF WARRANTY: 2
- UV RESISTANCE: YES
- READY TO CONNECT: YES
- WEIGHT: 4.400 KG



The connection panel from the Polish manufacturer KENO provides protection against the effects of both indirect and direct 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	5 5
Quantity Type of DC surge arrester Type	5 Dehn T1/T2
Connection type	Array MC4 Stäubli

ELECTRICAL AND MECHANICAL PARAMETERS OF THE HOUSING

Model	PHS 24 T
Number of fields	24
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	-25°C - +60°C

DC surge arrester used (SPD)

Manufacturer / Model	Dehn DCB YPV 1200
Made in accordance with	EN 50539-11
Surge protection	T1 / T2
The greatest tension PV [DC+ -> DC-] (U_{CPV})	≤ 1200 V
The greatest tension PV [DC+/DC- -> PE] (U_{CPV})	≤ 1200 V
Short-circuit withstand (I_{SCP})	10 kA
Nominal discharge current (8/20 μ s) (I_n)	20 kA
Maximum discharge current (8/20 μ s) (I_{max})	40 kA
Total surge current (8/20 μ s) [DC+/DC- -> PE] (I_{total})	40 kA
Total surge current (10/350 μ s) [DC+/DC- -> PE] (I_{total})	12,5 kA
Surge current (10/350 μ s) [DC+ -> PE/DC- -> PE] (I_{imp})	6,25 kA
Voltage protection level [(DC+/DC-) -> PE] (U_p)	< 3,8 kV
Voltage protection level [DC+ -> DC-] (U_p)	< 3,8 kV
Response time (t_A)	≤ 25 ns
Working temperature range (TU)	-40°C ... +80°C
Operation / failure indicator	green / red

