



- DESIGN: MODULAR
- DEGREE OF PROTECTION: IP65
- YEARS OF WARRANTY: 2
- UV RESISTANCE: YES
- READY TO CONNECT: YES
- WEIGHT: 3.250 KG



The connection panel from the Polish manufacturer KENO provides overcurrent protection 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	2 2
Quantity Type of DC surge arrester Type	2 Dehn T1/T2
Overcurrent protection	4 x 25A gPV
Connection type	Array MC4 Stäubli

ELECTRICAL AND MECHANICAL PARAMETERS OF THE HOUSING

Model	PHS 12 T
Number of fields	12
Dimensions of housing without chokes and MC4 (Length Width Height)	144.00 259.00 319.00
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)

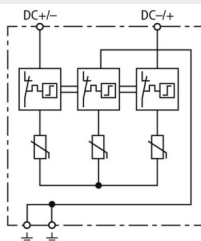
≤ 25 ns

Working temperature range (TU)

-40°C ... +80°C

Operation / failure indicator

green / red



Overcurrent protection applied gPV DC

Model

10X38 1000V gPV 25A

Characteristic

gPV

Rated current

25A

Rated voltage

1000V DC

fuse

10,3 x 38 mm