



- DESIGN: MODULAR
- DEGREE OF PROTECTION: IP65
- YEARS OF WARRANTY: 5
- UV RESISTANCE: YES
- READY TO CONNECT: YES
- WEIGHT: 372.000 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	2 2
Quantity Type of DC surge arrester Type	2 Noark T2
Overcurrent protection	4 x 20A 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)	144.00 319.00 259.00
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

Noark Ex9UEP 20(R) 3P 1000

Made in accordance with

EN 50539-11

Surge protection

T2 (klasa II, C, T2)

Making the insert

MOV (Warystor)

Rated operational voltage U_n

1000 V

Maximum continuous operating voltage $U_{CPV} + \rightarrow PE, - \rightarrow PE + \leftrightarrow -$

1000 V

Maximum open circuit voltage $U_{OC} \max$

905 V

Frequency

DC

Nominal discharge current I_n (8/20 μs)

20 kA

Maximum discharge current I_{max} (8/20 μs)

40 kA

Total discharge current I_{total} (8/20 μs)

40 kA

Voltage protection level U_p by $I_n + \rightarrow PE, - \rightarrow PE + \leftrightarrow -$

3.8 kV

Leakage current I_{PE} by U_{REF} DC

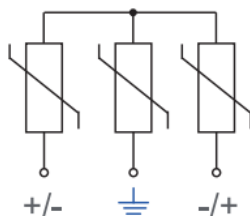
< 50 μA

Leakage current I_{PE} by U_{REF} AC

< 1 mA

Maximum short-circuit current I_{SCPV}

1000 As



Overcurrent protection applied gPV DC

Model

10X38 1000V gPV 20A

Characteristic

gPV

Rated current

20A

Rated voltage

1000V DC

fuse

10,3 x 38 mm