



- DESIGN: MODULAR
- DEGREE OF PROTECTION: IP65
- YEARS OF WARRANTY: 5
- UV RESISTANCE: YES
- READY TO CONNECT: YES
- WEIGHT: 7.350 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	6 4
Quantity Type of DC surge arrester Type	4 Noark T1/T2
Overcurrent protection	12 x 20A gPV
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)	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 Noark Ex9UEP1+2 6.25(R) 3P 1000

Made in accordance with EN 61643-31

Surge protection PV T1+T2 (Klasa I+II, B+C, Typ 1+2)

Making the insert MOV (Warystor)

Protection function thermal

Protection mode + → PE

- → PE

+ ↔ -

Maximum continuous operating voltage U_{CPV}

+ → PE, - → PE 1000 V

+ ↔ - 1000 V

Frequency DC

Nominal discharge current I_n (8/20 μs) 20 kA

Maximum discharge current I_{max} (8/20 μs) 40 kA

Surge current I_{imp} (10/350 μs)

+ → PE, - → PE 6.25 kA

+ ↔ - 6.25 kA

Voltage protection level U_p by I_n

+ → PE, - → PE 3.8 kV

+ ↔ - 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_{SCP} 1000 As

Number of ports 1

LV system type DC, niezziemiony system PV

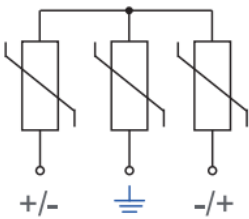
Auxiliary contact (optional) 1 przemienny (CO)

Auxiliary contact, voltage / current

AC U_{max} / I_{max} 250 V AC / 1 A

DC U_{max} / I_{max} 250 V DC / 0.1 A; 75 V DC / 0.5 A

Connection configuration Y



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