



- DESIGN: MODULAR
- DEGREE OF PROTECTION: IP65
- YEARS OF WARRANTY: 5
- UV RESISTANCE: YES
- READY TO CONNECT: YES
- WEIGHT: 3.900 KG



The connection panel from the Polish manufacturer KENO provides protection against the effects of both indirect and direct discharges and functions as a disconnect switch 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
DC disconnect	(1)32A
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)

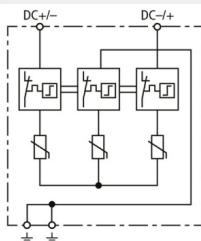
≤ 25 ns

Working temperature range (TU)

-40°C ... +80°C

Operation / failure indicator

green / red



Zastosowany DC disconnector (1)

Model

Ex9IP 32A

Made in accordance with

IEC/EN 60947-3

Rated voltage

500 (2P), 750 (3P), 1000 (4P)

Rated current

32

Category of use

DC-22B

Rated voltage of the insulation U_i

1000V

Rated impulse withstand voltage U_{imp}

6 kV

Rated short-time withstand current I_{cw} 1s

12x I_e

Rated current short-circuit switched I_{cm} (wartość szczytowa)

20x I_e

Mechanical durability

20 000 connections

Electrical durability

2 000 connections

