



- DESIGN: MODULAR
- DEGREE OF PROTECTION: IP65
- YEARS OF WARRANTY: 2
- UV RESISTANCE: YES
- READY TO CONNECT: YES
- WEIGHT: 7.480 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        | 4   4             |
| Quantity   Type of DC surge arrester   Type | 4   Dehn   T1/T2  |
| Overcurrent protection                      | 8 x 25A gPV       |
| Connection type                             | Array MC4 Stäubli |

#### ELECTRICAL AND MECHANICAL PARAMETERS OF THE HOUSING

|                                                                       |                          |
|-----------------------------------------------------------------------|--------------------------|
| Model                                                                 | PHS 36 T                 |
| Number of fields                                                      | 36                       |
| Dimensions of housing without chokes and MC4<br>(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-] ( $U_{CPV}$ )

$\leq 1200$  V

The greatest tension PV [DC+/DC- -> PE] ( $U_{CPV}$ )

$\leq 1200$  V

Short-circuit withstand ( $I_{SCP}$ )

10 kA

Nominal discharge current (8/20  $\mu$ s) ( $I_n$ )

20 kA

Maximum discharge current (8/20  $\mu$ s) ( $I_{max}$ )

40 kA

Total surge current (8/20  $\mu$ s) [DC+/DC- -> PE] ( $I_{total}$ )

40 kA

Total surge current (10/350  $\mu$ s) [DC+/DC- -> PE] ( $I_{total}$ )

12,5 kA

Surge current (10/350  $\mu$ 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 ( $t_A$ )

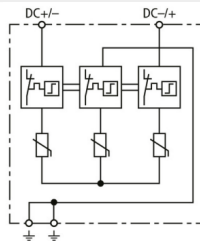
$\leq 25$  ns

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