



- DESIGN: MODULAR
- DEGREE OF PROTECTION: IP65
- YEARS OF WARRANTY: 5
- UV RESISTANCE: YES
- READY TO CONNECT: YES
- WEIGHT: 1.700 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 |
| Connection type | Array MC4 Stäubli |

ELECTRICAL AND MECHANICAL PARAMETERS OF THE HOUSING

| | |
|--|--------------------------|
| Model | PHS 8 T |
| Number of fields | 8 |
| Dimensions of housing without chokes and MC4 (Length Width Height) | 120.00 201.00 202.00 |
| 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 |

