



- DESIGN: MODULAR
- DEGREE OF PROTECTION: IP66
- YEARS OF WARRANTY: 5
- UV RESISTANCE: YES
- READY TO CONNECT: YES
- WEIGHT: 10.820 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	3 3
Quantity Type of DC surge arrester Type	3 Noark T1/T2
Overcurrent protection	6 x 20A gPV
Connection type	Array MC4 Stäubli

ELECTRICAL AND MECHANICAL PARAMETERS OF THE HOUSING

Model	BF-IP66 48
The number of modules	48
Dimensions of housing without chokes and MC4 (Length Width Height)	210.00 400.00 500.00
Design in accordance with	EN/IEC 62208, EN/IEC 61439-1-4, Dyrektywa RoHS 2011/65/EU Dyrektywa Niskonapięciowa 2006/95/EC (do 1500 VDC)
Level of security	IP66
Protection class	II
Rated insulation voltage U_i	1000 V AC, 1500 V DC
The incandescent rod test	960°C
Impact resistance	IK10 +35°C / IK08 -25°C
UV resistance	UL 508

Flammability class	UL 94-5VA / UL 94-V0
NEMA standard	NEMA 4, 4X, 12, 13
Temperature °C (short-term)	-40 ... 120°C
Temperature °C (continuous work)	-40 ... 80°C
Temperature °F (short-term)	-40 ... 250°F
Temperature °F (continuous work)	-40 ... 175°F

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 μ s)	20 kA
Maximum discharge current I_{max} (8/20 μ s)	40 kA
Surge current I_{imp} (10/350 μ s)	
+ → 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 μ A
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, nieuziemiony system PV
Auxiliary contact (optional)	1 przemienny (CO)
Auxiliary contact, voltage / current	

AC $U_{\max} / I_{\max}$

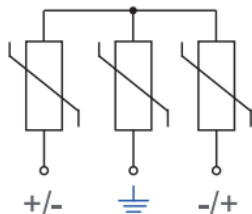
250 V AC / 1 A

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