

SH-464 DC

STANDARD SERIES



DESIGN: MODULAR

DEGREE OF PROTECTION: IP65

YEARS OF WARRANTY: 5

UV RESISTANCE: YES

READY TO CONNECT: YES

WEIGHT: 2.600 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 Phoenix T2
Overcurrent protection	4 x 20A gPV
Connection type	Array MC4 Stäubli

ELECTRICAL AND MECHANICAL PARAMETERS OF THE HOUSING		
Model	PHS 12 T	
Number of fields	12	
Dimensions of housing without chokes and MC4 (Length Width Height)	144.00 319.00 259.00	
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	

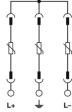


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Working temperature $-25^{\circ}\text{C} - +60^{\circ}\text{C}$

DC surge arrester used (SPD)		
	Manufacturer / Model	Phoenix / VAL-MS 1000DC-PV/2+V
	Surge protection	Т2
	Idle voltage U _{OCSTC}	≤ 975 V DC
	Maximum discharge current I _{max} (8/20) μs	40 kA
	Response time t _A	≤ 25 ns
	Total current discharged I _{total} (8/20) μs	40 kA
	Insulation resistance R _{iso}	> 5 GΩ (by 500 V DC)
	Nominal discharge current I_n (8/20) μs	15 kA
	Rated load current I _L	80 A
	Long-term operating current I _{CPV}	< 20 μΑ
	Maximum permanent voltage U _{CPV}	1170 V DC
	Short circuit resistant I _{SCPV}	2000 A
	Residual voltage U _{res}	\leq 3,7 kV (by I _n)
	-	\leq 3,1 kV (by 5 kA)
	-	\leq 3,5 kV (by 10 kA)
	-	≤ 4 kV (by 20 kA)
	-	\leq 4,6 kV (by 30 kA)
	-	≤ 5 kV (by 40 kA)
	Current of the protective conductor I_{PE}	≤ 20 µA DC
	-	≤ 250 µA AC
	Protection level U _p	≤ 3,7 kV
	Power consumption in standby mode P _C	≤ 25 mVA
	Connection configuration	Configuration Y



Overcurrent protection applied gPV DC

Model 10X38 1000V gPV 20A



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Characteristic gPV
Rated current 20A
Rated voltage 1000V DC
fuse 10,3 x 38 mm