

EM-181N DC

STANDARD SERIES



DESIGN: MODULAR

DEGREE OF PROTECTION: IP65

YEARS OF WARRANTY: 5

UV RESISTANCE: YES

READY TO CONNECT: YES

WEIGHT: 4.56 KG











The connection panel from the Polish manufacturer EMITER provides protection against the effects of both indirect and direct 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	3 3
Quantity Type of DC surge arrester Type	3 Noark T1/T2
Connection type	Array MC4 Stäubli

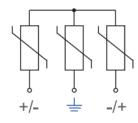
ELECTRICAL AND MECHANICAL PARAMETERS OF THE HOUSING	
Model	PHS 12 T
Number of fields	12
Dimensions of housing without chokes and MC4 (Length Width Height)	144.00 259.00 325.00
Design in accordance with	EN 60670-1, EN 62208
Level of security	IP65
Protection class	Ш
Rated insulation voltage $U_{\rm i}$	400 V AC, 1500 V DC
The incandescent rod test	650°C
Impact resistance	IK08
UV resistance	YES
Recyclable plastic	bezhalogenowy
Working temperature	-25ºC - +60ºC



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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}	
$+ \rightarrow PE, - \rightarrow PE$	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)	
$+ \rightarrow PE, - \rightarrow PE$	6.25 kA
+ ↔ -	6.25 kA
Voltage protection level U_p by I_n	
$+ \rightarrow PE, - \rightarrow PE$	3.8 kV
+ ↔ -	3.8 kV
Leakage current I _{PE} by U _{REF} DC	< 50 μΑ
Leakage current I _{PE} by U _{REF} AC	< 1 mA
Maximum short-circuit current I _{SCPV}	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	Υ





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