

EM-630N DC

STANDARD SERIES



DESIGN: MODULAR

DEGREE OF PROTECTION: IP65

YEARS OF WARRANTY: 5

UV RESISTANCE: YES

READY TO CONNECT: YES

WEIGHT: 6.53 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 | 8 4 |
| Quantity Type of DC surge arrester Type | 4 Noark T1/T2 |
| Connection type | Array MC4 Stäubli |

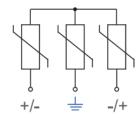
| ELECTRICAL AND MECHANICAL PARAMETERS OF THE HOUSING | | |
|--|--------------------------|--|
| Model | PHS 24 T | |
| Number of fields | 24 | |
| Dimensions of housing without chokes and MC4 (Length Width Height) | 144.00 320.00 384.00 | |
| Design in accordance with | EN 60670-1, EN 62208 | |
| Level of security | IP65 | |
| Protection class | Ш | |
| 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 | -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 \mathbf{U}_{CPV} | | |
| $+ \rightarrow PE, - \rightarrow PE$ | 1000 V | |
| + ↔ - | 1000 V | |
| Frequency | DC | |
| Nominal discharge current I _n (8/20 μs) | 20 kA | |
| Maximum discharge current I _{max} (8/20 μs) | 40 kA | |
| Surge current I _{imp} (10/350 µs) | | |
| $+ \rightarrow PE, - \rightarrow PE$ | 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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