



- DESIGN: MODULAR
- DEGREE OF PROTECTION: IP66
- YEARS OF WARRANTY: 5
- UV RESISTANCE: YES
- READY TO CONNECT: YES
- WEIGHT: 12.070 KG



The connection panel from the Polish manufacturer KENO serves as a disconnect switch and 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        | 6   6             |
| Quantity   Type of DC surge arrester   Type | 0   0   -         |
| Overcurrent protection                      | 12 x 15A gPV      |
| DC disconnect                               | (1)16A            |
| 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<br>(Length Width Height) | 210.00   400.00   500.00                                                                                           |
| Design in accordance with                                             | EN/IEC 62208, EN/IEC 61439-1-4, Dyrektywa RoHS<br>2011/65/EU Dyrektywa Niskonapięciowa 2006/95/EC<br>(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        |

#### Overcurrent protection applied gPV DC

|                |                     |
|----------------|---------------------|
| Model          | 10X38 1000V gPV 15A |
| Characteristic | gPV                 |
| Rated current  | 15A                 |
| Rated voltage  | 1000V DC            |
| fuse           | 10,3 x 38 mm        |

#### Zastosowany DC disconnector (1)

|                                                                   |                               |
|-------------------------------------------------------------------|-------------------------------|
| Model                                                             | Ex9IP 16A                     |
| Made in accordance with                                           | IEC/EN 60947-3                |
| Rated voltage                                                     | 500 (2P), 750 (3P), 1000 (4P) |
| Rated current                                                     | 16                            |
| Category of use                                                   | DC-22B                        |
| Rated voltage of the insulation $U_i$                             | 1000V                         |
| Rated impulse withstand voltage $U_{imp}$                         | 6 kV                          |
| Rated short-time withstand current $I_{cw}$ 1s                    | 12x Ie                        |
| Rated current short-circuit switched $I_{cm}$ (wartość szczytowa) | 20x Ie                        |
| Mechanical durability                                             | 20 000 connections            |
| Electrical durability                                             | 2 000 connections             |

