



DATA SHEET NH PHOTO-VOLTAIC INSULATED CONSUMER UNITS

Catalogue Reference :- NH11DSMPVDR

| | | | |
|---|-------------------------|--------------|--------------|
| Current Rating | 100A | | |
| Operating Voltage | 240Volts +10/-6% | | |
| Short Circuit Rating | 16kA | | |
| Insulation Voltage | 500Volts AC | | |
| IP Rating | IP2X | | |
| Consumer Unit | BSEN 60439-3 | | |
| Main Switch | BSEN 60947-3 | | |
| RCD | BSEN 61008 | | |
| MCB Rating | 16A 6kA Type B Curve | | |
| Box Material | Polycarbonate | | |
| Lid Material (excluding visor) | Polycarbonate | | |
| Outgoing Terminal Size Neutral Bar | Maximum cable Size 16mm | | |
| Outgoing Terminal Size Earth Bar | Maximum cable size 16mm | | |
| Incoming Terminal Size Neutral Bar | Maximum cable size 16mm | | |
| Incoming Terminal Size Earth Bar | Maximum cable size 16mm | | |
| Incoming Switch Disconnecter Size | Maximum cable size 50mm | | |
| | Height | Width | Depth |
| | 230mm | 435mm | 120mm |

Incoming device

- **WS102 (CU main switch)**
- **WS402 (PV main switch)**
- **WRS80/2 (80A 30mA RCD)**

Replacement Items

- **M749** (visor)
- **B4471** (user operating instructions)
- **L39599** (circuit identification labels)
- **L39604** (RCD wiring regulation label)
- **NHLABELPACK** (kit of All labels in CU).

Compatible Outgoers:

- **MCB** 6kA 1 pole B & C curve 6 to 50A.
- **RCBO** 6 kA 1 pole B & C curve 6 to 50A 30mA
- **RCBO** 6 kA 2 pole C curve 6 to 40A 30mA.



DATA SHEET PHOTO-VOLTAIC METER

Catalogue Reference :- N/A

Performance Criteria

| | |
|--|----------------|
| Operating Humidity | ≤ 75% |
| Storage Humidity | ≤ 95% |
| Operating Temperature | -10°C to +50°C |
| Storage Temperature | -30°C to +70°C |
| International Standard | EN 50470-3 |
| Accuracy Class | 1 |
| IP Rating | IP51 |
| Insulating Encased Meter Protective Class | II |

Specifications

Dimensions

| | | | |
|---|--------------------------|-------------------------|-------------------------|
| Meter Type | PRO1 Series | Height | 117.5mm |
| Nominal Voltage | 230V AC | Width | 18mm |
| Operating Voltage | 161 – 300V AC | Depth | 58.5 |
| Insulation Capabilities: | | Weight | 0.12Kg (net) |
| AC Voltage Withstand | 2kV for 1 Minute | Material | |
| Impulse Voltage Withstand | 6kV – 1.2μs waveform | | |
| Basic Current | 5A | | |
| Maximum Rated Current (Imax) | 45A | Register | PC Inflammable Plastic |
| Max Current for Direct Wire Connection | 32A | Case | ABS Inflammable Plastic |
| Max Current for Busbar Connection | 45A | Terminal Block | ABS Inflammable Plastic |
| Operational Current Range | 0.4% Ib – Imax | Protective Cover | ABS Inflammable Plastic |
| Peak Current Withstand | 30Imax for 0.01s | | |
| Operational Frequency Range | 50Hz ±10% | | |
| Internal Power Consumption | ≤ 2W / 10VA | | |
| Test Output Flash Rate (RED LED) | 1000 or 2000 imp/kWh | | |
| Pulse Output Rate (Pins 20 & 21) | 1000 or 2000 imp/kWh | | |
| Consumption Indicator (RED LED) | Flashing at Load Running | | |