# PDPM138H-5U-ISX Modular Power Distribution Unit 138kW PACKAGE

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## LEGEND

### SYMBOL

### DESCRIPTION

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SWITCH DISCONNECT

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ISX MODULAR POWER DISTRIBUTION UNIT.

1. AC Input
1.1 Nominal voltage: 400V/230V, 3PH, 3W+N+PE (provided by others)
1.2 Frequency: 50Hz
1.3 Input Circuit Breaker: 200A
1.4 Maximum continuous current: 200A
1.5 Maximum input conductor: 250 MCM

2. AC Output
2.1 Nominal voltage: 400V/230V, 3PH, 3W+N+PE
2.2 Maximum continuous current: 200A
2.3 Full Load rating: 138kW
2.4 Power Distribution poles available: 18
2.5 Maximum number of PDMs: 6

3. ENVIRONMENTS
3.1 The assembly is made for an ambient temperature for operation of: 0°C to 30°C.
3.2 The assembly is made for an ambient temperature for storage of: 0°C to 45°C.
3.3 Rated conditional short-circuit current (Icc): 10kA

4. ENCLOSURE
4.1 The assembly material is steel with surface coating.
4.2 The assembly is made for indoor floor Installation.

5. CONNECTIONS
5.1 Incoming and outgoing cables to be connected to terminals in component section.
5.2 Input cable entry is through top of the unit.
16A-3P BREKER, 16A-3PH PLUG WITH 2.5 SQ. MM CABLE
32A-3P BREAKER, 32A-3PH PLUG WITH 6 SQ. MM CABLE

SKU number

NOTES:
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL ELECTRICAL REGULATIONS.
2. PLEASE REFER TO PRODUCT MANUALS PRIOR TO INSTALLATION AND SITE PREPARATION WORK FOR FURTHER DETAILS.
3. DRAWING DEPICTS POWER SYSTEM CONNECTIONS AND IS NOT REPRESENTATIVE OF PHYSICAL LAYOUT. PLEASE REFER TO MECHANICAL DRAWINGS FOR PHYSICAL LAYOUT.
4. ALL AC POWER CABLING IS L1, L2, L3, N, PE (PROVIDED BY OTHERS).
5. ALL POWER DISTRIBUTION MODULES AND EXTENDER CABLES ARE NOT PART OF THIS SKU AND ARE ORDERED SEPARATELY. PLEASE CONTACT SCHNEIDER ELECTRIC.
6. MAXIMUM 6 MODULES PER SKU. PLEASE CONTACT SCHNEIDER ELECTRIC FOR LATEST LIST OF MODULE OPTIONS.

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16A-3P BREAKER WITH 30mA RCD, 16A-3PH 3WIRE PLUG WITH 2.5 SQ. MM CABLE

32A-3P BREAKER WITH 30mA RCD, 32A-3PH 3WIRE PLUG WITH 6 SQ. MM CABLE

NOTES:
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2. PLEASE REFER TO PRODUCT MANUALS PRIOR TO INSTALLATION AND SITE PREPARATION WORK FOR FURTHER DETAILS.
3. DRAWING DEPICTS POWER SYSTEM CONNECTIONS AND IS NOT REPRESENTATIVE OF PHYSICAL LAYOUT. PLEASE REFER TO MECHANICAL DRAWINGS FOR PHYSICAL LAYOUT.
4. 3x400/230V L1, L2, L3, N, PE (PROVIDED BY OTHERS). FOR OTHER EARTHING PRINCIPLES, PLEASE CONTACT SCHNEIDER ELECTRIC.
5. ALL AC POWER CABLES IS L1, L2, L3, N, PE. POWER DISTRIBUTION MODULES AND EXTENDER CABLES ARE NOT PART OF THIS SKU AND ARE ORDERED SEPARATELY. PLEASE CONTACT SCHNEIDER ELECTRIC.
6. ALL POWER DISTRIBUTION MODULES WITH RCDs REQUIRE 2 MODULE POSITIONS. THE TOTAL MAXIMUM NUMBER OF MODULES WILL BE LESS THAN 3 MODULES WHEN RCDs ARE INSTALLED.

OPTIONS DETAILS:
MAXIMUM 3 MODULES PER SKU. PLEASE CONTACT SCHNEIDER ELECTRIC FOR LATEST LIST OF MODULE OPTIONS.
SKU Number | Cable length in Centimeters/Phase | Recommanding Specification | Cable specification |
---|---|---|---|
PDM1316IEC-3P | 350/1LL, 360/2LL & 400/3LL | 10A-1PH, 3 WIRE | 2.5 SQ. MM |
PDM1324IEC-3P | 450/1LL, 460/2LL & 500/3LL | 10A-1PH, 3 WIRE | 6 SQ. MM |
PDM1324IEC-3P-2 | 450/1LL, 460/2LL & 500/3LL | 32A-1PH, 3 WIRE | 6 SQ. MM |
PDM1324IEC-3P-3 | 600/1LL, 720/2LL & 800/3LL | 32A-1PH, 3 WIRE | 6 SQ. MM |
PDM1332IEC-3P | 480/1LL, 540/2LL & 600/3LL | 32A-1PH, 3 WIRE | 6 SQ. MM |
PDM1332IEC-3P-2 | 480/1LL, 540/2LL & 600/3LL | 60A-1PH, 3 WIRE | 6 SQ. MM |
PDM1332IEC-3P-3 | 720/1LL, 840/2LL & 960/3LL | 60A-1PH, 3 WIRE | 6 SQ. MM |
PDM1332IEC-3P-4 | 720/1LL, 840/2LL & 960/3LL | 60A-1PH, 3 WIRE | 6 SQ. MM |
PDM1332IEC-3P-5 | 720/1LL, 840/2LL & 960/3LL | 60A-1PH, 3 WIRE | 6 SQ. MM |
PDM1332IEC-3P-6 | 720/1LL, 840/2LL & 960/3LL | 60A-1PH, 3 WIRE | 6 SQ. MM |

**NOTES:**
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2. PLEASE REFER TO PRODUCT MANUALS PRIOR TO INSTALLATION AND SITE PREPARATION WORK FOR FURTHER DETAILS.
3. DRAWING DEPICTS POWER SYSTEM CONNECTIONS AND IS NOT REPRESENTATIVE OF PHYSICAL LAYOUT, PLEASE REFER TO MECHANICAL DRAWINGS FOR PHYSICAL LAYOUT.
4. FOR OTHER EARTHING PRINCIPLES, PLEASE CONTACT SCHNEIDER ELECTRIC.
5. ALL AC POWER CABLES IS L1, L2, L3, N, PE AND EXTENDER CABLES ARE NOT PART OF THIS SKU AND ARE ORDERED SEPARATELY. PLEASE CONTACT SCHNEIDER ELECTRIC.
6. ALL POWER DISTRIBUTION MODULES ARE LAPPED ON TOP OF EACH OTHER FOR LATTICE LIST OF MODULE OPTIONS.
7. OPTIONS DETAILS: MAXIMUM 6 MODULES PER SKU. PLEASE CONTACT SCHNEIDER ELECTRIC FOR LATEST LIST OF MODULE OPTIONS.
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5. AC POWER DISTRIBUTION MODULES AND EXTENDER CABLES ARE NOT PART OF THIS SKU AND ARE ORDERED SEPARATELY. PLEASE CONTACT SCHNEIDER ELECTRIC.
6. ALL POWER DISTRIBUTION MODULES WITH RCD'S REQUIRE 2 MODULE POSITIONS. THE TOTAL NUMBER OF MODULES WILL BE LESS THAN 3 MODULES WHEN RCD'S ARE INSTALLED.
8. OPTIONS DETAILS. MAXIMUM 3 MODULES PER SKU.
9. PLEASE CONTACT SCHNEIDER ELECTRIC FOR LATEST LIST OF MODULE OPTIONS.