

# DX<sup>3</sup> Manual Supply Invertor

Cat. Nos: 4 063 14/15/16



CONTENTS	PAGE
1. Description - Use .....	1
2. Range .....	1
3. Overall dimensions .....	1
4. Preparation - Connection .....	1
5. General Characteristics.....	3
6. Compliance and approvals.....	3

## 1. DESCRIPTION - USE:

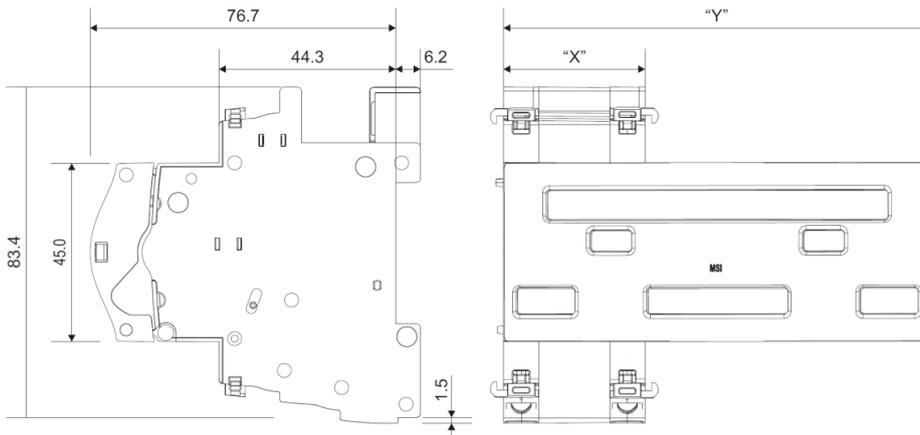
For a pre-defined circuit the Manual Supply Invertor (MSI), allows the end user to manually switch to another power source (ex. a generator) when the mains supply is not available

## 2. RANGE

### Cat. Nos:

- . 4 063 14 : for devices 2 poles/2 modules.
- . 4 063 15 : for devices 3 poles/3 modules.
- . 4 063 16 : for devices 4 poles/4 modules.

## 3. OVERALL DIMENSIONS:



Cat. Nos	"X" (mm)	"Y" (mm)
4 063 14	<b>17.8 mm</b>	<b>53.1 mm</b>
4 063 15	<b>35.6 mm</b>	<b>89.0 mm</b>
4 063 16		<b>106.8 mm</b>

## 4. PREPARATION –CONNECTION

### Fixing:

- . On symmetric rail EN/IEC 60715 or DIN 35 rail, by the device which is associated.

### Operating positions:

- . Vertical, horizontal, upside down, on the side



## 4. PREPARATION –CONNECTION (continued)

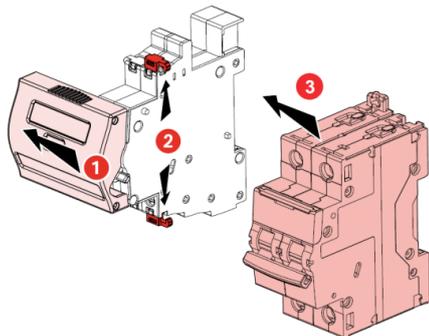
### Supply:

. No power supply.

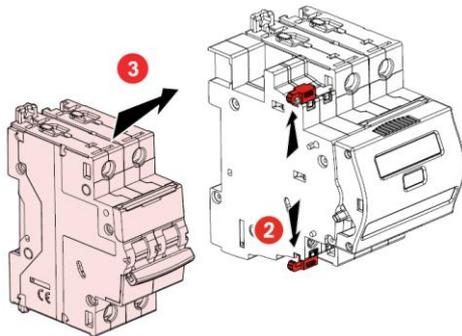
### Assembling:

- . Between two modular protection devices (see the association table for the type of products to associate)
- . Clipped on the associated device by mean of plastic clamps present on each side of MSI.

. Assembling on the right side



. Assembling on the left side

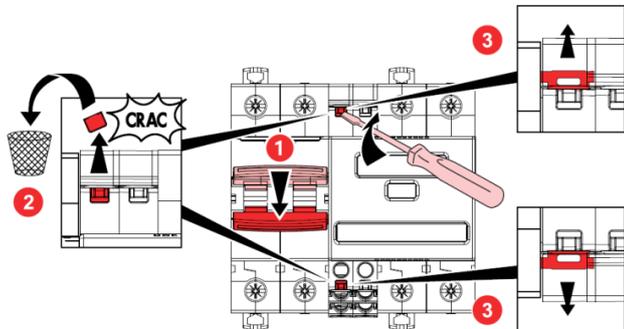


### Tools required:

- . Fixing the MSI and protection devices: no tools.
- . Fixing on the DIN rail: no tools.
- . To remove the security seals: flat screwdriver 5,5 mm (6 mm maximum).

### Lockout:

. The MSI is equipped with security seals that ensure the association between MSI and the associated device.

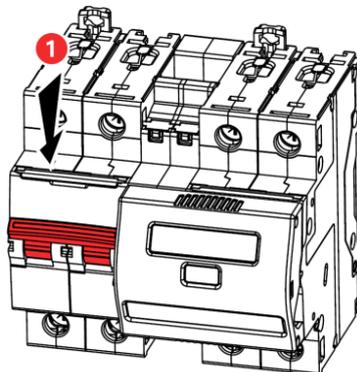


. By padlock on the associated device (cat. nos 4 063 13 or 227 97), and padlock support (cat. no 4 063 03) on the device (MCB or IS) powered-on.

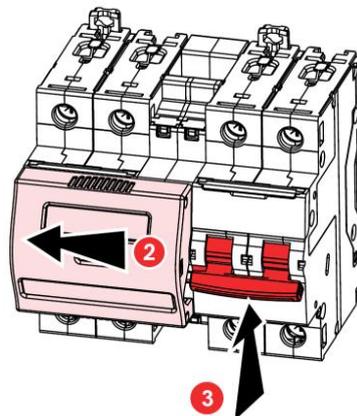
## 4. PREPARATION –CONNECTION (continued)

### Operation:

- . To perform the source inversion:
- 1. Lower the handle of the protection device powered-on.

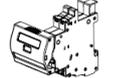
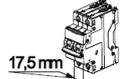


- 2. Slide the frontal slider on the device with the handle lowered.



- 3. Lift the handle of the other circuit breaker to restore the supply.

### Association table

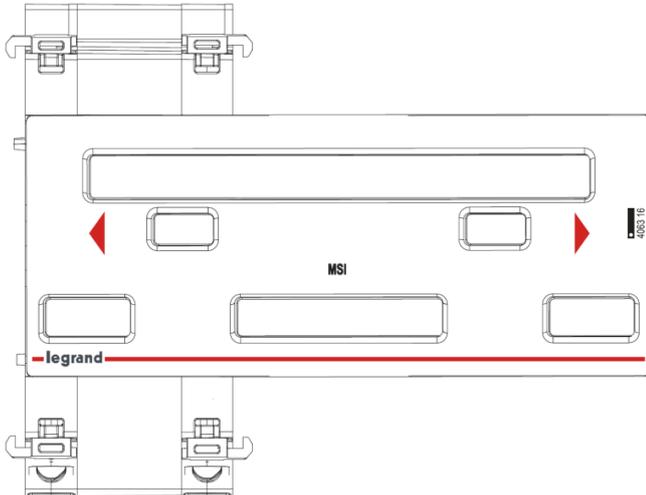
			
 17,5 mm	1 2 3 4 2 3 4 5 1 3 4 2 4	4 063 14	1 2 3 4 2 3 4 5 1 3 4 2 4
 17,5 mm	1 2 3 4 5 2 3 4 5 6 1 3 5 6 2 4 6		4 063 15
 17,5 mm	1 2 3 4 5 6 7 2 3 4 5 6 7 8 1 3 5 7 2 4 6 8	4 063 16	

. To the left and right of the Manual Supply Invertor must be installed the same type of devices (IS-IS or MCB-MCB).

## 5. GENERAL CHARACTERISTICS

### Front face marking:

- . By permanent ink pad printing:
  - Device name: MSI
  - Directional arrows
  - Legrand reference code and Logo 
  - Mark: Legrand.



### Plastic materials:

- . 10% Glass fiber reinforced polycarbonate
- . Characteristics of this material: self extinguishing, heat and fire resistant according to EN 60898-1, glow-wire test at 960°C.

### Average weight per device:

Cat.Nos	Weight (kg)
4 063 14	<b>0,057</b>
4 063 15	<b>0,089</b>
4 063 16	<b>0,094</b>

### Volume when packed:

Cat.Nos	Volume (m <sup>3</sup> )
4 063 14	<b>0,49</b>
4 063 15	<b>1.25</b>
4 063 16	

### Ambient temperature:

- . operating= - 25 °C Max. = + 60 °C.
- . storage= - 25 °C Max. = + 60 °C.

## 5. GENERAL CHARACTERISTICS (continued)

### Class protection:

- . Protection index of the box against solid and liquid bodies: IP40 (in accordance with standards IEC 529, EN 60529 and NF C 20-010).

### Sinusoidal vibration resistance in accordance with IEC 60068-2-6:

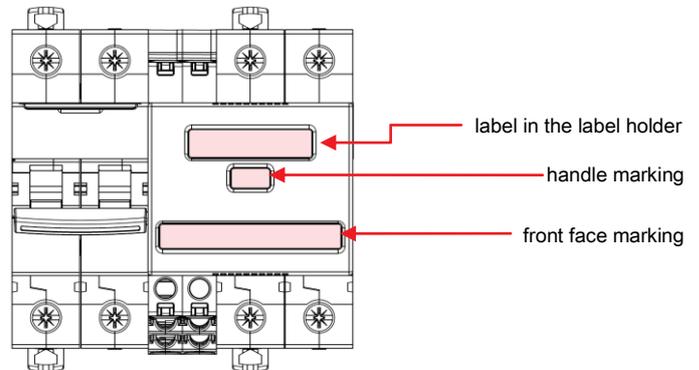
- . Axes : x, y, z.
- . Frequency: 5÷100 Hz ; duration 90 minutes
- . Displacement (5÷13,2 Hz) : 1mm
- . Acceleration (13,2÷100 Hz) : 0,7g (g=9,81 m/s<sup>2</sup>)

### Power dissipated (W) :

- . 0 W.

### Identification:

- . MSI is equipped with several windows, so all information of the associated device remain visible



## 6. COMPLIANCE AND APPROVALS

### In accordance with:

- . CEE guidelines : 73/23/CEE + 93/68/CEE
- . Legrand devices can be used under the conditions of use as defined by IEC /EN 60947-1
- . The performance of circuit breakers can be influenced by particular climates: hot dry, cold dry, hot humid, salt fog atmosphere

### Plastic materials :

- . Halogens-free plastic materials.
- . Marking of parts according to ISO 11469 and ISO 1043.

### Packaging:

- . Design and manufacture of packaging in accordance with decree 98-638 of 07.20.98 and Directive 94/62/EC