



MSE- MSD



1.-TRANSPORT- STORAGE

Check that the equipment is in perfect condition while unpacking. Any fault or damage caused in manufacture is covered by the S&P guarantee.

Check that the apparatus coincides with the product you have ordered and that the details on the instructions plate fulfil your requirements.

The packaging used for this apparatus has been designed to support normal transport conditions. The apparatus must always be transported in its original packaging as not doing so could deform or damage the product.

The product should be stored in a dry place in its original packaging, protected from dust and dirt until it is installed in its final location. Do not accept delivery if the apparatus is not in its original packaging or shows clear signs of having been manipulated in any way.

Do not place heavy weights on the packed product and avoid knocking or dropping it.

Storage Temperature: -10°C and +40°C.

2.- IMPORTANT INFORMATION FOR THE SAFETY OF INSTALLERS AND USERS

- Installation must only be carried out by qualified persons.
 - Make sure that the installation complies with each country's current mechanical and electrical norms.
 - Once ready to use, the apparatus must fulfil the following standards:
 - Standard for Low Pressure Instalments 2006/95/CE
 - Machinery Standard 2006/42/CE
 - Standard for Electromagnetic Compatibility 2004/108/CE.
 - This apparatus must not be used in explosive or corrosive atmospheres.
 - Before manipulating the apparatus, make sure the mains supply is disconnected, even if the machine is switched off.
 - Check that the mains supply voltage and frequency values coincide with the stipulations on the characteristics plate.
 - Please follow the connections diagram for the electrical connections.
- Before starting up the machine, make sure that:
- The earth fittings are adequately connected.
 - The electrical safety devices are correctly connected, adequately adjusted and ready for use.
 - The wire and electrical connections inputs are correctly sealed and water-tight.

3.- DESCRIPTION

The motor starter (MSE/MSD) is used for motor protection.

It can be used for motors where the terminals of the terminal motor protection are in the connection box.

MSE

- Single phase : 1 ~ 230V 50Hz
- For motors from 0,4 bis to 10A
- Surface installation
- Cabinet installation
- Potential free contact
- Protection IP 54

Dimensions:

Width : 79 mm
Hight : 141 mm
Depth : 92 mm

MSD

- Three phase: 3 ~ 400V 50Hz
- For motors from 25 A max.
- Surface installation
- Cabinet installation
- Potential free contact
- Protection IP 54

Dimensions:

Width : 79 mm
Hight : 141 mm
Depth : 92 mm

4.- MOUNTING

-The models MSE and MSD have to instal in vertical position on a plane surface.

-The connectors have to be done according to the wiring diagrams in this manual.

IMPORTANT: Before installing and wiring the unit, ensure that the main supply is disconnected.

5.- INSTALLATION

Electrical connection MSE: (see below the drawing)

Power supply : L to connect to terminal 1 ; N on the terminal 5

Motor : L+TK to connect to terminal 2 ; N on the terminal 6

Thermal protection : TK to connect to terminal 2 and TK on the terminal 4

Potential free contact : Terminal 13 and 14

Electrical connection MSD: (see below the drawing)

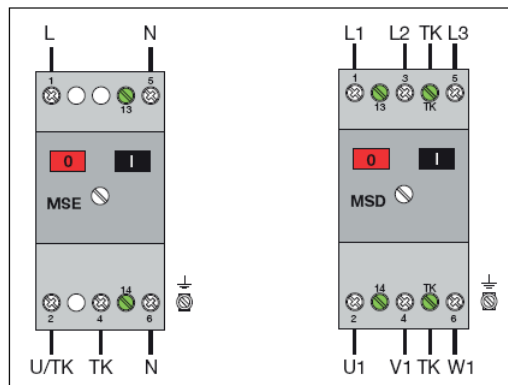
Power supply : L1 to connect to terminal 1 ; L2 on the terminal 3 ; L3 on the terminal 5
and terminal U, V, W.

Motor : On the terminal U, V, W.

Thermal protection : TK on the terminal TK

Potential free/contact : Terminal 13 and 14

Wiring diagrams:



Re-start:

After cooling down the motor winding, the motor starter can be resetted pushing the block button. If the motor starter trips again the fan and the installation has to be check.

6.- MAINTENANCE

We recommend you not to try to dismantle or remove any other parts than those mentioned as any tampering would automatically cancel the S&P guarantee. If you detect any fault, contact your S&P dealer.

7.- WASTE MANAGEMENT

Treatment of Packagings and non-dangerous wastes

The packaging (unconsigned pallets, cartons, films, wooden boxes) and other non-dangerous wastes must be recycled by an approved service provider. It is strictly prohibited to burn, bury or dump them in nature.

Treatment of commercial WEEE

This product must not be dumped or treated with household refuse, but must be deposited in an appropriate collection point for waste electrical and electronic equipment (WEEE).



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