



Instruction Sheet
of
ELECTRIC MOTOR
CONTROL PANEL C.B.M.

Manufacturer:

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MAIN TECHNICAL CHARACTERISTICS

- Power Supply: 230 V
 - Frequency: 50/60 Hz
 - Protection: IP 54
 - Capacitor Run (within the panel) (*): from 12.5 to 80 μF
 - Thermal protection (*): from 3 to 20 A
 - Motor Power: from 0.37 kW to 2,2 kW (from 0.5 HP to 3 HP)
- (* depends on the motor typology connected)

GENERAL INFORMATIONS

- Before carrying out any operation on the ***ELECTRIC MOTOR CONTROL PANEL*** read carefully the instructions in this ***INSTRUCTION SHEET***
- It is essential that the electric installation and the connections are produced by qualified personnel, that must have the technical requirements stated by the safety regulations regarding the design, the installation and the maintenance of the technical system of the country's product installation
- Qualified personnel include people, who, for their training, practice and education, as well as for their knowledge concerning the respective normative, the prescriptions, the measures for fire prevention, and the service conditions, have been authorized by the security personnel of the system to perform any activity in order to avoid safety hazards (definition for technical personnel IEC 364)
- The ***ELECTRIC MOTOR CONTROL PANEL*** has the function of controlling an electric motor and of supplying it with 230V single phase. There are no other uses for the product
- This ***INSTRUCTION SHEET*** is to be considered as an integral part of the product and as such must be carefully preserved, for future reference, for the entire duration of the product
- Before removing the cover or carrying out any cleaning or maintenance process, make sure that every part of the ***ELECTRIC MOTOR CONTROL PANEL*** is disconnected from the power supply network and that there are NO live parts

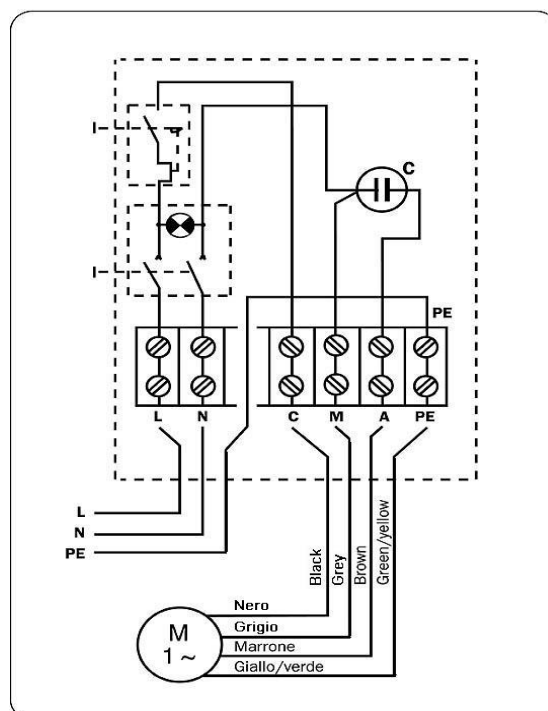


Fig. 1

INSTRUCTIONS FOR THE CONNECTION

- **The electrical connections may be carried out only by authorized and qualified personnel. The manufacturer declines any responsibility for incorrect installation and/or connection of the product**
- **Strictly comply with the power supply values indicated on the data plate of the electrical panel**
- The electrical panel must be installed on dry surfaces in environments with neither oxidant nor corrosive gasses, and free from vibrations. If the electrical panel is installed in open-air, it must be protected as much as possible from weather conditions. Moreover, it is advisable to guarantee the watertight closure of the cable glands
- Strictly observe all the regulations in force concerning safety and accident prevention
- Connect the cables to the morsel according to the electric scheme (fig. 1)
- Make sure that the cable switch is in the OFF position (0), and that no one can accidentally restore its functioning before proceeding with the connection of the external power supply cables (230V – 50HZ) to the L-N-PE terminals, and with the connection of the four conductors of the electric motor to the C-M-A-PE terminals
- Make sure that all the clamps are completely locked, **particularly the ground terminal PE**
- Check that the connection cables are in perfect conditions and that the external sheath is undamaged
- In case the product is not used anymore, make sure to make it inoperative disconnecting it from the power supply network. When disposing of the appliance, deliver them in suitable places ecological, or assign the task to the appropriate recycling Companies
- In case of intervention of the thermic protection, toggle the switch in “O” position. After few minutes push the thermic protection switch (next to the switch) in order to restore the initial conditions
- **Make sure that upstream of the ELECTRIC MOTOR CONTROL PANEL there is adequate protection and magnetic differential**

STORAGE

Proceed with the storage abiding by the following instructions:

- The electric panel must be kept in a completely dry place and far from heat sources
- The electric panel must be absolutely closed and isolated from the external environment, in order to avoid the entrance of humidity and dusts thus compromising the regular functioning

UKCA DECLARATION OF CONFORMITY

The Firm **VE.QU.EL. s.a.s.** – Via del Lavoro, 63 – 36071 Arzignano (VI)

Declares under its responsibility that:

the Product

ELECTRIC MOTOR PANEL C.B.M.

to which this UKCA Declaration of Conformity refers, was designed and built according to the following Directives:

- **Electrical Equipment (Safety) Regulations 2016**
- **The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012**
- **Electromagnetic Compatibility Regulations 2016**

and satisfies the following technical norms:

- **BS EN 61058-1-2:2016**
- **BS EN IEC 60934:2019**
- **BS EN 60998-1:2004**
- **BS EN 60998-2-1:2004**
- **BS EN 60252-1:2011+A1:2013**
- **BS EN 60252-2:2011+A1:2013**
- **BS EN 60529:1992+A2:2013**
- **BS EN IEC 61000-6-1:2019**
- **BS EN IEC 61000-6-2:2019**

The abovementioned product can, therefore, be considered to be perfectly made so that the safety of objects and people is guaranteed, provided that it is correctly installed according to what stated in the Instruction Sheet attached to the product.

Arzignano, 25th May 2021

VE.QU.EL. s.a.s.
Giuseppe Bolcato
