Operating instructions

Nolta motor starter for electric-motor driven apparatuses, machines and equipment that can be moved from site to site.

Power plugs with integrated motor protection switch and temperature-compensated thermal trips.

CEE plugs 16A and 32A, optionally with or without phase-sequence indication and phase inverter.

Technical documentation is held by us and is available for inspection. Old equipment can be returned for disposal to NOLTA in Coelbe, Germany.

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Managing Director
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Push button for manual On/Off switching

OFF = Rotary switch on "O"
ON = Rotary switch on "I"

For integrated phase-sequence indicator and phase inverter.

- Red light = phase sequence incorrect
- The direction of rotation is changed by lightly pressing and turning the pole pins in the socket.

After a current overload, the motor safety switch cannot be switched on again until the bimetallic strip has cooled down. This may take a few minutes.

Optional:

- Phase sequence monitoring
  If the power input of the phases are reversed at installation (incorrect rotation), the phase indicator light will turn on. The electronic system will prevent the under voltage coil turning the motor protector on - preventing the motor from starting in the wrong direction.
  Troubleshooting:
The phase sequence can be changed by using a screwdriver to switch the pole pins in the socket.

- Monitoring the phase sequence
  The electronic system continuously monitors the 3 phases. In the case where an individual phase fails, the motor protector will immediately switch off. The switch must be then manually turned on again (which is only possible in the presence of L1, L2 and L3).

- Zero voltage release
  If there is a power failure, the motor protector will immediately disconnect the under voltage coil. This cannot be turned on again until all the 3 phases are again present.

- Hours of operation timer 230 V
  The operation of the timer is only possible when the motor protection switch is turned on.

Characteristics of the thermal-magnetic tripping of the GV2-ME

1. Symmetric 3-pole load from cold state
2. 2 pole load from cold state
3. Symmetric 3-pole load from operating temperature state.

Mechanical service life: $1 \times 10^5$ (switching cycles)
Nominal operating voltage: 230–690 V AC*
Nominal operating current: min. 0.1 A, max. 32.0 A
Perm. power frequency: 50 - 500 Hz
Temperature range: - 25...+ 50 °C
Magn. tripping: Yes
Temp. compensation: Yes
Trip time: See characteristics
Max. back up fuse rating: See table
Housing: Polycarbonate
Degree of protection: IP 44
Cable entry: M 32 x 1,5
Clamping range: 11 - 21 mm
Cross-sectional area of main conductor
Single core 1 x 1...4.0 mm²
2 x 1...4.0 mm²
Fine standard 1 x 1...2.5 mm²
2 x 1...2.5 mm²

*Only applies to the motor protection switch. The nominal voltage is established by the plug attachment and the phase sequence is reversed.