

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.

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We, the manufacturer of the motor protection plug, which is described in detail in the operating instructions, hereby declare that this product complies with the following standards and guidelines.

EC Low Voltage Directive
 2006/95/EG

EC Directive on Electromagnetic Compatibility
 2004/108/EG

Harmonised standards, national standards and technical specifications:

- DIN EN 60999 / VDE 0609-1
- DIN EN 55014-1 / VDE 0875-14-1
- DIN EN 60947-4-1 / VDE 0660-102
- DIN EN 60947-3 / VDE 0660-107
- DIN EN 61000-6-1 / VDE 0839-6-1
- DIN EN 61000-6-2 / VDE 0839-6-2
- DIN EN 61000-6-3 / VDE 0839-6-3
- DIN EN 61000-6-4 / VDE 0839-6-4
- DIN EN 60529 / VDE 0470-1
- DIN EN 60695-1-10 / VDE 0471-1-10
- DIN EN 60695-1-11 / VDE 0471-1-11

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

28.10.2013

Managing Director
 Dr.-Ing. J. Knake

QA Manager
 W. Seip

- Electrical connection and fault repairs must be only carried out by a qualified electrician.
- Before working on the equipment, the motor protection plug must always be disconnected from the power supply.
- The motor must be connected in accordance with the wiring diagram.

Other NOLTA- Motor Starters:



NOLTA-rotary toggle starter with thermal- electromagnetic release and phase inverter + phase sequence indicator.

NOLTA- Motor Starter with contactor and motor protective relay that has a thermal release and phase inverter + a phase sequence indicator as well as an operation indicator.

NOLTA-push button starter with thermal- electromagnetic release and phase inverter + phase sequence indicator.

Operation

Wiring diagram

Technical data

Rotary toggle for switching On/Off:

- Off \Rightarrow rotary toggle right (0)
- On \Rightarrow rotary toggle left (I)

Rotary toggle for reverse switching
(see picture below)

- Off \Rightarrow rotary toggle middle (0)
- On \Rightarrow rotary toggle right (I) Motor turns right
- On \Rightarrow rotary toggle left (I) Motor turns left

For the integrated phase sequence indicator and phase inverter:

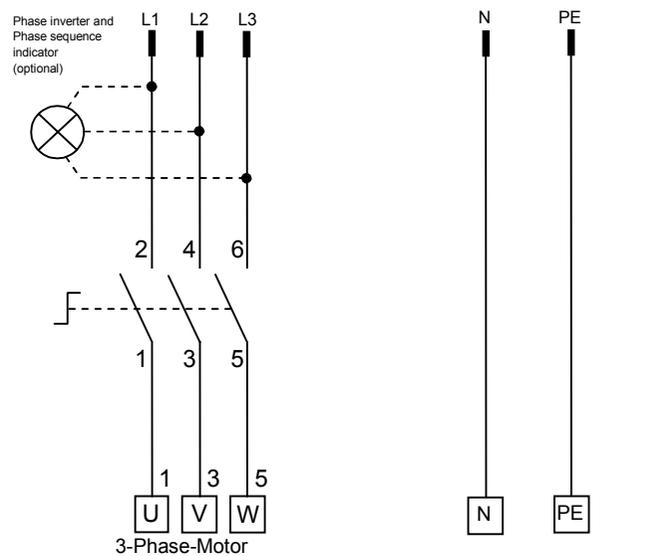
- Red light = wrong phase sequence
- The direction of rotation is changed by lightly pressing and turning the pole pins in the socket.



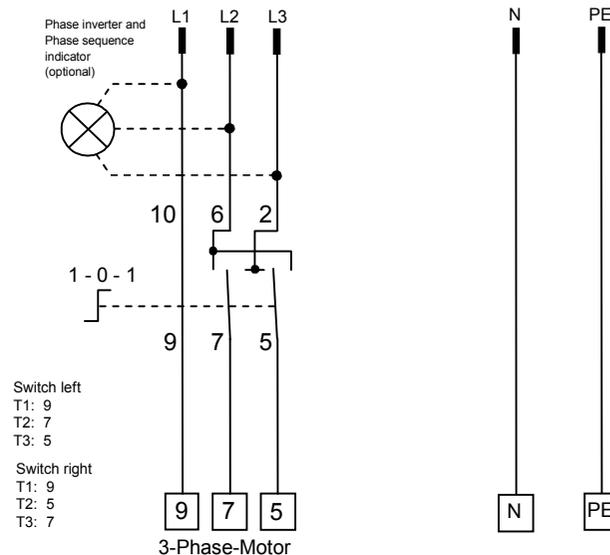
Rotary toggle left:
Motor turns left

Rotary toggle right:
Motor turns right

Power plug with On/Off switch



Power reversing Plug



The data in brackets is for a power reversing switch.

Mechanical service life:	1x10 ⁵ switching cycles
Nominal operating voltage:	see type print *
Nominal operating current:	32 A max. (20 A)
Perm. power frequency:	50...60 Hz
Temperature range:	- 25...+ 50 °C
Max. back-up fuse rating:	32A (25 A)
Housing:	Polycarbonate
Degree of protection:	IP44
Cabel entry:	PG21
Clamping range:	11...21 mm
Number x Cross-sectional area:	
single core	4,0 mm ² (2,5mm ²)
fine stranded	2,5 mm ²

* nominal voltage is established by the plug attachment and the phase-sequence unit.