

### Motorstarter 230V

with poly carbonate housing for mobile, electronically powered equipment and machines.



Mech. Life cycle	81 50../ 81 58..	up to 10 A -10 000 switch. operations
		12 – 16 A - 6 000 switch. operations
Nominal op. voltage:	230 V AC	
Nominal op. current	<b>min.</b> 1,0 A	
	<b>max.</b> 16,0 A (81 5...)	
App. Grid frequency:	50 Hz	
Temp. range:	- 5...+ 60 °C (81 00../ 81 02..)	
	-20...+60 °C (81 50../ 81 58..)	
Magn. tripping:	no	
Temp.-compensation:	no	
Tripping time:	see chart	
Validation:	manual reset	
Housing:	Poly carbonate	
Protection:	IP 44	
Cable entry:	max. 11 mm	

We, the manufacturer of the motor protection plug described in detail in the operating instructions, hereby declare as being generally responsible 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 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. Used equipment may be returned to NOLTA GmbH for disposal.

*J. Knake*

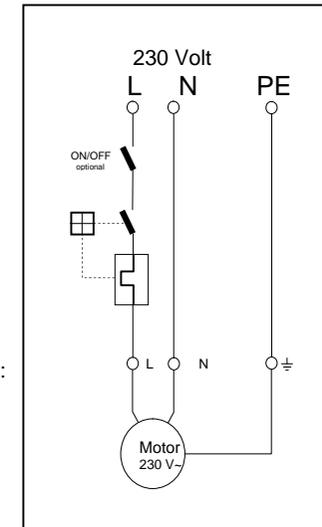
CEO  
Dr.-Ing. J. Knake

*W. Seip*

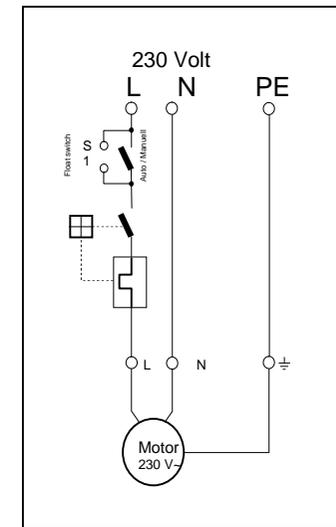
Head of QM  
W. Seip

- Electrical connection and fault removal must be carried out by an appropriately authorised and qualified electrician only.
- 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.
- Do not use oils, fats or solvents. These substances negatively affect the stability of the housing material.
- Before reassembling the top, make sure the impervious blanket sits correctly on the circuit breaker to insure proper splash protection.

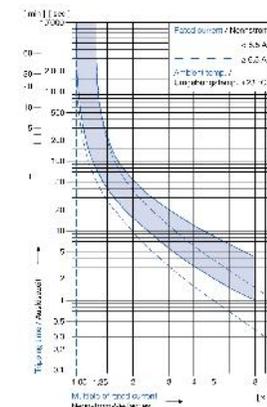
Motor protection plug



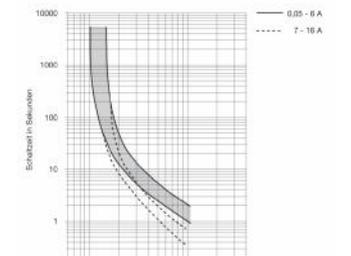
Motor protection plug with connected float switch



Auslösekennlinien



(Gesamtabschaltzeit bei Nennspannung) Umgebungstemperatur 23 °C



The tripping characteristics are relative to the ambient temperature. To avoid tripping before or after the desired tripping point the plug's rated current needs to be multiplied with a temperature factor. (See also ch. 9 – Technical Information)

Um eine vorzeitige oder späte Abschaltung zu vermeiden, muss der Schutzschalterstrom mit einem Temperaturfaktor multipliziert werden (siehe auch Kapitel 9 – Technische Informationen).

Umgebungstemperatur °C	-20	-10	0	+23	+40	+50	+60
Temperaturfaktor	0,78	0,84	0,92	1	1,08	1,16	1,24

Operating Instructions

11 8030 / 10.13

Nolta GmbH  
Industriestr. 8  
35091 Cölbe  
Germany

Tel. +49(0)6421/9859 0  
Fax +49(0)6421/9859 28  
www.nolta.de  
info@nolta.de

