

Motorstarter 230V

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

Operating Instructions



Motor protection plug with integrated overload protection from 0,5 to 16 A.
Optional float switch operation up to 8 A

11 8044 / 04.2014

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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	min. 1,0 A	
	max. 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 hereby declare that the electrical equipment (Motor Protection Plugs) we place on the market bear type, batch or serial number or other element allowing its identification and a comply with the requirements of the following directives and norms:

- Low Voltage Directive 2014/35/EU
- Directive on Electromagnetic compatibility 2014/30/EU
- Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) 2011/65/EU 2011/65/EU
- EN 60309-1
- EN 60999-1
- EN 55014-1
- EN 60947-4-1
- EN 61000-6-1
- EN 61000-6-2
- EN 61000-6-3
- EN 61000-6-4
- EN 60529
- EN 60695-1-10
- EN 60695-1-11



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

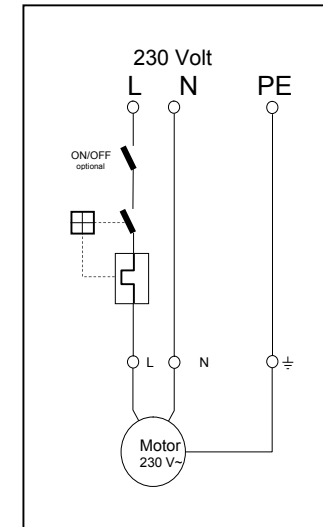
Coelbe, 20.04.2016

Managing Director
Dr.-Ing. J. Knake

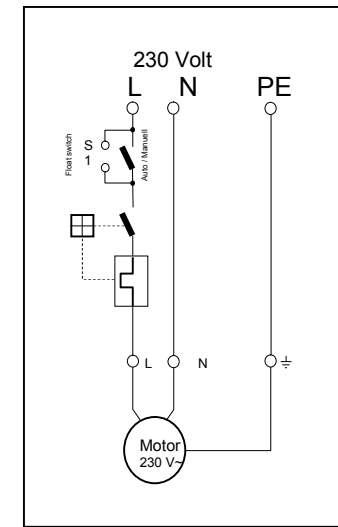
QM Representative
D. Loehelt

- 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.

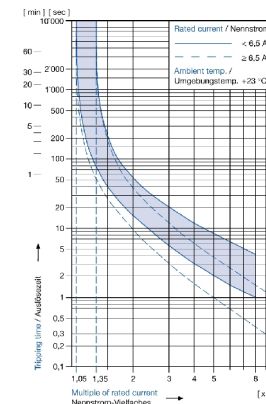
Motor protection plug



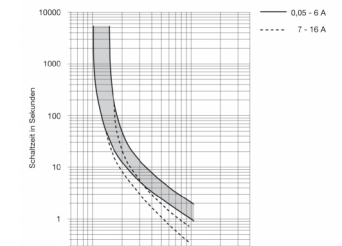
Motor protection plug with connected float switch



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 Schutzschalterstromstrom mit einem Temperaturfaktor multipliziert werden (siehe auch Kapitel 9 – Technische Informationen).

Umgebungstemperatur °C	-20	-10	0	+23	+40	+50	+60
Temperaturfaktor	0,76	0,84	0,92	1	1,06	1,16	1,24