

### Operating instructions

Nolta 230 V~ motor starter for electric-motor driven apparatus, machines and equipment which move from site to site



Power plug with integrated thermal protection trip

Power plug with On/Off switch

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.

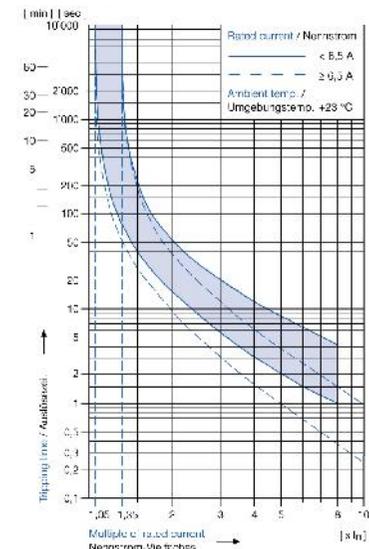
Cölbe, 28.10.2013

Managing Director  
Dr.-Ing. J. Knake

QA Manager  
W. Seip

- Electrical connection and fault removal must only be carried out by an appropriately authorised qualified electrician
- Before working on the equipment, the motor protection plug must always be disconnected from the power supply
- The maximum back-up fuse rating must be guaranteed by the client (table)
- The nominal motor current  $I_{Nom}$  must be set to within the tripping range
- The motor must be connected in accordance with the wiring diagram

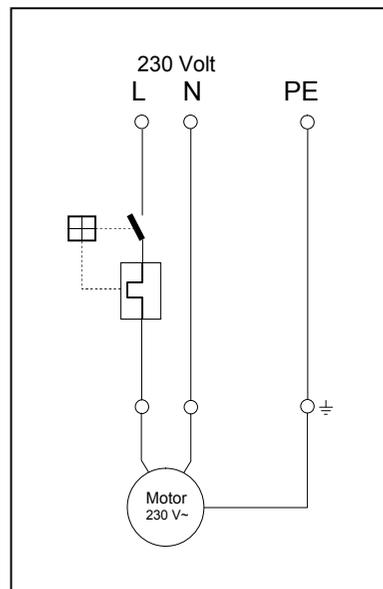
Tripping characteristic



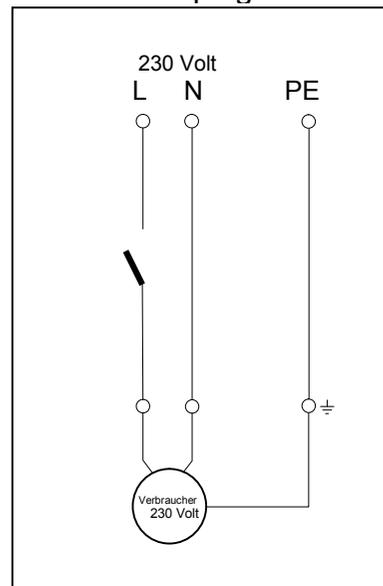
After a over current release, it may take a few minutes to reset, till the switch is cooled down.

Nominal Current	Nolta-Type
0,5 A	81 0305
0,8 A	81 0308
1,0 A	81 0310
1,2 A	81 0312
1,5 A	81 0315
1,8 A	81 0317
2,0 A	81 0318
2,5 A	81 0320
3,0 A	81 0321
3,5 A	81 0322
4,0 A	81 0323
4,5 A	81 0324
5,0 A	81 0325
5,5 A	81 0326
6,0 A	81 0327
7,0 A	81 0328
8,0 A	81 0329
8,5 A	81 0330
9,0 A	81 0331
10,0 A	81 0332
11,0 A	81 0333
12,0 A	81 0334
13,0 A	81 0335
14,0 A	81 0336
15,0 A	81 0337
16,0 A	81 0338
6 A On/Off switch	81 0358
8 A On/Off switch	81 0360

Motor protection plug



On/Off plug



Nominal operating voltage:	230V AC
Nominal operating current:	<b>min.</b> 0,5 A <b>max.</b> 16,0 A
Frequency:	50 Hz
Temperature range:	- 5...+ 60 °C
Magn. tripping:	no
Temp.-compensation:	yes
Tripping time:	see characteristic
Housing:	Rubber NBR
Length/Width/Height:	100/57/85mm
Degree of protection:	IP44
Cable entry:	max. 12 mm