

NOLTA – motor protection starters for single and three phase electrical motors – cost efficient due to high flexibility in application and configuration with:

- Thermo-magnetic motor protection
- On/off switch
- Robust polycarbonate housing
- Combination with IEC or CEE plug connection



4pol.  
3P+E



5pol.  
3P+E+N



4pol. 5pol.  
4h 4h



4pol. 5pol.  
9h 9h



4pol. 5pol.  
6h 6h



4pol. 5pol.  
7h 7h



4pol. 5pol.  
10h 10h



4pol. 5pol.  
2h 2h

## Nominal motor currents of three-phase-motors

(standard values for cage rotors)

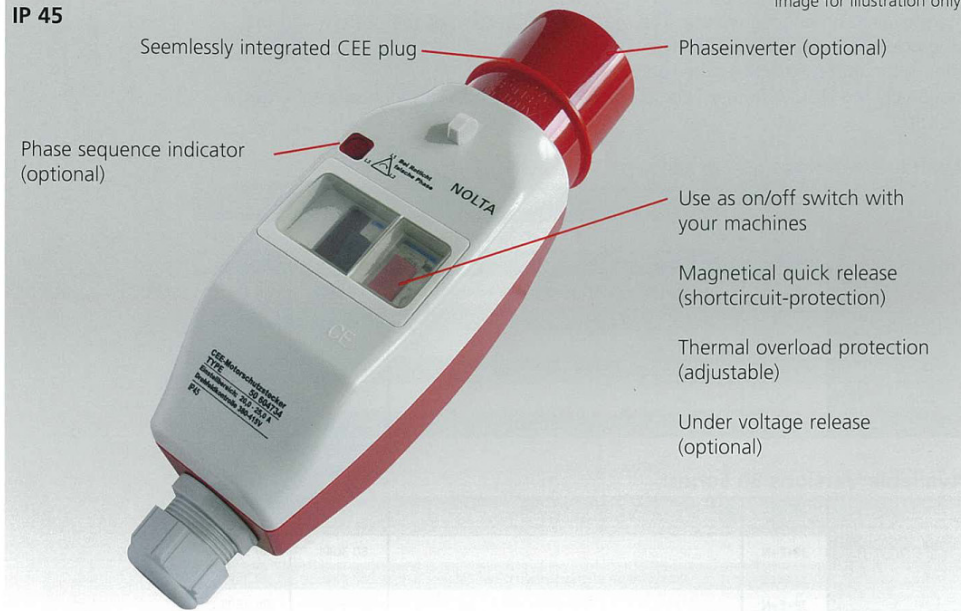
The standard values are for nominal internal and surface cooled three-phase-motors with 1500rpm.

Power (kW)	230 V A	400 V A	500 V A	Power (HP)
0,25	1,3	0,8	0,6	0,33
0,37	2,1	1,2	0,9	0,5
0,55	2,7	1,6	1,2	0,75
0,80	3,6	2,1	1,55	1,1
1,1	4,7	2,7	2,0	1,5
1,5	6,0	3,4	2,7	2,0
2,2	8,5	4,9	3,7	3,0
3,0	11,0	6,4	4,9	4,0
4,0	15,0	8,6	6,5	5,5
5,5	20,0	11,5	8,7	7,5
7,4	26,0	15,0	11,5	10,0
11,0	39,0	22,5	17,0	15,0



IP 45

image for illustration only



Seamlessly integrated CEE plug

Phase inverter (optional)

Phase sequence indicator (optional)

Use as on/off switch with your machines

Magnetical quick release (shortcircuit-protection)

Thermal overload protection (adjustable)

Under voltage release (optional)

The NOLTA Pushbutton 50 Series offers optimal protection for all electric motors, e.g.:

- Pumps
- Compressors
- Blowers



All NOLTA Push-Button 50 Series are equipped with a thermo electromagnetic release push button starter that can be used as on/off switch. The seamless connection of the bottom and the plug ensures a very high durability. The motor starter switch can be used as on/off switch. Optionally the NOLTA Push-Button 50 Series is available with a phase sequence indicator.

Available Versions:

Voltage Frequency	Plug Pins	Features	CEE	
			16 A	32 A
400 V, 6h, 50-60 Hz	3P+E		50 5022..	50 6022..
	3P+E+N		50 5042..	50 6042..
	3P+E+N	Phase inverter + Phase sequence indicator	50 5047..	50 6047..
500 V, 7h, 50-60 Hz	3P+E		50 5024..	50 6024..
>50 V, 10h, 100-300 Hz	3P+E		50 5090..	50 6090..
50-500Hz	2xM32		50 6942..	
50-60Hz	2xM32	Phase sequence indicator 400V	50 6947..	

Other versions available upon request

Note:

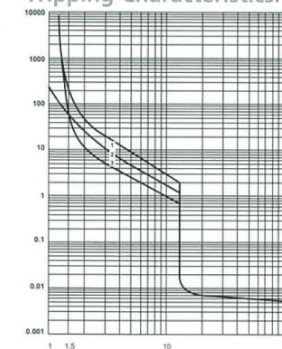
The types with 2x M32 allow for a protection class of IP55.

Ranges of adjustment:

Adjustment range	max. back up fuse	Order-No. addition
0.10 – 0.16 A		..21
0.16 – 0.25 A		..22
0.25 – 0.40 A		..23
0.40 – 0.63 A		..24
0.63 – 1.00 A		..25
1.00 – 1.60 A		..26
1.60 – 2.50 A		..27
2.50 – 4.00 A		..28
4.00 – 6.30 A		..29
6.00 – 10.00 A	80 A	..30
9.00 – 14.00 A	80 A	..31
13.00 – 18.00 A	80 A	..32
17.00 – 23.00 A	80 A	..33*
20.00 – 25.00 A	80 A	..34*

\*) only available with CEE 32A

Tripping Characteristics:



1. 3-pin load, cold  
2. 2-pin load, cold  
3. 3-pin load, warm

How to specify your order:

50 504230	
50..	Main group
..5047..	Type description
..30	Adjustment range
NOLTA motor protection plug, CEE 16 A, 3P+E+N, 6h, 400 V, 50 - 60 Hz, Adjustment range 6.00 – 10.0 A, with Phase inverter and Phase sequence indicator.	

Technical data subject to change

Technical data:

Housing material: Polycarbonate  
 Protection class: IP 45  
 Length: (CEE 16 A) 285 mm  
 (CEE 32 A) 300 mm  
 Width: 90 mm  
 87 mm  
 Weight: (CEE 16 A) app. 960 g  
 (CEE 32 A) app. 1050 g



image for illustration only

The NOLTA Push-Button offers optimal protection for all electric motors, e.g.:

- Pumps
- Compressors
- Blowers



All NOLTA Push-Buttons are equipped with a thermo magnetic release push button starter, that can be used as on /off switch. The compact yet spacious design allows for integration of additional modules such as under voltage and shunt trip coils. Optionally the NOLTA Push-Button is available with a phase sequence indicator and phase inverter.

Available versions:

Voltage Frequency	Plug Pins	Features	CEE		CEE + Undervoltage coil	
			16 A	32 A	16 A	32 A
400 V, 6h, 50-60 Hz	3P+E				80 5122..	80 6122..
	3P+E+N				80 5142..	80 6142..
	3P+E+N	Phase inverter + Phase sequence indicator			80 5147..	80 6147..
	3P+E	Shunt trip + Monitoring unit	80 5052..	80 6052..		
	3P+E+N	Shunt trip + Monitoring unit	80 5062..	80 6062..		
	3P+E+N	Shunt trip + Monitoring unit Phase inverter + Phase sequence indicator	80 5067..	80 6067..		
	3P+E+N	Phase inverter + Phase sequence indicator	80 5247..	80 6247..		
500 V, 7h, 50-60 Hz	3P+E+N	Phase inverter + Phase sequence indicator, Hour counter	80 5447..	80 6447..		
	3P+E				80 5124..	80 6124..
	3P+E+N		80 5044..	80 6044..	80 5144..	80 6144..
	3P+E+N	Phase inverter + Phase sequence indicator	80 5048..	80 6048..	80 5148..	80 6148..
	3P+E	Shunt trip + monitoring unit	80 5054..	80 6054..		
	3P+E+N	Shunt trip + monitoring unit	80 5064..	80 6064..		
	3P+E+N	Shunt trip + monitoring unit Phase inverter + Phase sequence indicator	80 5069..	80 6069..		

Explanations to individual electronics on page 66.

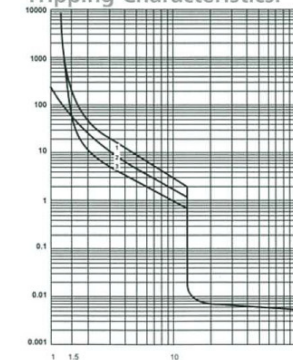
Other versions available upon request

Ranges of adjustment:

Adjustment range	max. back up fuse	Order-No. addition
0.10 – 0.16 A		..21
0.16 – 0.25 A		..22
0.25 – 0.40 A		..23
0.40 – 0.63 A		..24
0.63 – 1.00 A		..25
1.00 – 1.60 A		..26
1.60 – 2.50 A		..27
2.50 – 4.00 A		..28
4.00 – 6.30 A		..29
6.00 – 10.00 A	80 A	..30
9.00 – 14.00 A	80 A	..31
13.00 – 18.00 A	80 A	..32
17.00 – 23.00 A	80 A	..33*
20.00 – 25.00 A	80 A	..34*

\*) only available with CEE 32A

Tripping Characteristics:



1. 3-pin load, cold  
2. 2-pin load, cold  
3. 3-pin load, warm

How to specify your order:

80..	80 514730
..5147..	Main group
..30	Type description
	Adjustment range

NOLTA motor protection plug, CEE 16 A, 3P+E+N, 6h, 400 V, 50 - 60 Hz, Adjustment range 6.00 – 10.0 A, with Phaseinverter and Phase sequence indicator.

Technical data subject to change

Technical data:

Housing material:	Polycarbonate
Protection class:	IP 44
Length:	(CEE 16 A) 285 mm (CEE 32 A) 300 mm
Width:	110 mm
Height:	95 mm
Weight:	(CEE 16 A) app. 1110 g (CEE 32 A) app. 1200 g