NOLTA - Protection thermique et sectionneur d'alimentation de moteurs de pompes et d'outillage de puissance, triphasés et monophasés





NOLTA









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NOLTA - Protection thermique et sectionneur d'alimentation de moteurs de pompes et d'outillage de puissance, triphasés et monophasés

Les appareils NOLTA assurent le raccordement, la commande et le contrôle des moteurs électriques et regroupent dans un même boîtier :

- la prise de raccordement vers la source électrique
- le sectionnement
- le contrôle-commande (selon modèles)
- la protection
- le bornier de raccordement vers le moteur

La charge motrice peut alors fonctionner en toute sécurité et de manière optimale. Elle est protégée contre les surcharges ou les blocages.

Le sectionneur magnétique est très rapide, résistant aux courts-circuits et permet de s'affranchir du fusible de protection.

La commande manuelle autorise la mise en marche, le réarmement, l'invertion de phase (selon modèle).

Certains modèles proposent une entrée contrôle-commande pouvant être pilotée, par exemple, par un détecteur de niveau à contact électrique.

Ces appareils trouvent naturellement de nombreuses applications dans le domaine de la commande et la protection des moteurs de pompes à moteur triphasé.

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NOLTA - Protection thermique de moteurs
Caractéristiques et avantages techniques

Les appareils NOLTA proposent la protection des moteurs monophasés ou triphasés

- rupteur incorporé
- protection thermique réglable incorporée
- boitier robuste en polycarbonate
- prise IEC ou CEE



Courant nominal pour moteurs triphasés

Valeurs standard à 1500 rpm

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

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NOLTA - Protection thermique de moteurs
Série 50 - Sectionneur à bouton rotatif et protection thermique



The NOLTA 50 Series Rotary-Toggle is designed for tough building sites and industrial applications, e.g.:

- Pumps
- Compressors
- Industrial Motors





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NOLTA - Protection thermique de moteurs

Série 50 - Sectionneur à bouton rotatif et protection thermique

All NOLTA Rotary-Toggles 50 series are equipped with a rotary toggle switch with thermal-electromagnetic release. The seamless connection between the bottom and the plug ensures a very high durability.
The motor starter switch can be used as an on/off switch.
Optionally the NOLTA Rotary-Toggle 50 series is available with a phase sequence indicator.

Available Versions 50 Series:

Voltage Frequency	Plug Pins	Features	CEE 16 A	CEE 32 A
400 V, 6h, 50-60 Hz	3P+E		50 3022..	50 3522..
	3P+E+N		50 3042..	50 3542..
	3P+E+N	Phaseinverter + Phase sequence indicator	50 3047..	50 3547..
500 V, 7h, 50-60 Hz	3P+E		50 3024..	50 3524..
	3P+E+N		80 3044..	80 3544..
	3P+E+N	Phaseinverter + Phase sequence indicator	80 3048..	80 3548..
>50 V, 10h, 100-300 Hz	3P+E		50 3090..	50 3590..
	3P+E+N		80 3095..	80 3595..
>50 V, 2h, 300-500 Hz	3P+E		50 3091..	50 3591..
Without CEE, >50 Hz			50 3942..	
		Phase sequence indicator 400 V	50 3947..	

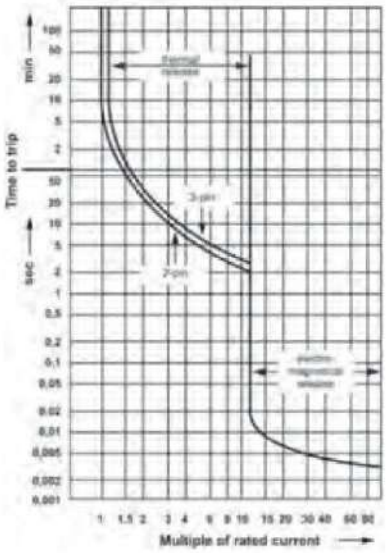
Other versions available upon request

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	**Short-circuit-protection**	..23
0.40 – 0.63 A		..24
0.63 – 1.00 A	no fusing necessary	..25
1.00 – 1.60 A		..26
1.60 – 2.50 A	up to Icc = 50 kA	..27
2.50 – 4.00 A		..28
4.00 – 6.30 A		..29
6.30 – 9.00 A	40 A	..30
9.00 – 12.50 A	50 A	..31
12.50 – 16.00 A	63 A	..32
16.00 – 20.00 A	80 A	. .33*
20.00 – 25.00 A	100 A	..34*

*) only available with CEE 32A

Tripping characteristic:



How to specify your order:

50 304730	
50..	Main group
..3047..	Type description
..30	Adjustment range

NOLTA-Motorstarer plug, CEE 16 A, 3P+E+N, 6h, 400 V, 50 - 60 Hz, Adjustment range 6.3 – 9.0 A, with phase inverter and phase sequence indicator

Technical data subject to change

Technical data:

	50 Series	80 Series
Housing material:	Polycarbonate	Polycarbonate
Protection class:	IP 45	IP 44
Length:	(CEE 16 A) 285 mm	275 mm
	(CEE 32 A) 300 mm	295 mm
Width:	90 mm	87 mm
Height:	87 mm	85 mm
Weight:	(CEE 16 A) app. 960 g	app. 800 g
	(CEE 32 A) app. 1050 g	app. 900 g

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Série 50 - Sectionneur à bouton à bascule et protection thermique
Options possibles : Voyant de phase et inverseur de phase



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

- Pumps
- Compressors
- Blowers





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Série 50 - Sectionneur à bouton à bascule et protection thermique
Options possibles : Voyant de phase et inverseur de phase

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 anon/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	CEE 32 A	CEE + Under voltage coil 16 A	CEE + Under voltage coil 32 A
400 V, 6h, 50-60 Hz	3P+E		50 5022..	50 6022..	80 5122..	80 6122..
	3P+E	Shunt trip + Monitoring unit	80 5052..	80 6052..		
	3P+E+N		50 5042..	50 6042..		
	3P+E+N	Phaseinverter + Phase sequence indicator	50 5047..	50 6047..		
	3P+E+N				80 5142..	80 6142..
	3P+E+N	Phase inverter + Phase sequence indicator			80 5147..	80 6147..
	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..		
	3P+E+N	Phase inverter + Phase sequence indicator, Hour counter	80 5447..	80 6447..		
500 V, 7h, 50-60 Hz	3P+E		50 5024..	50 6024..		
	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..		
>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..			

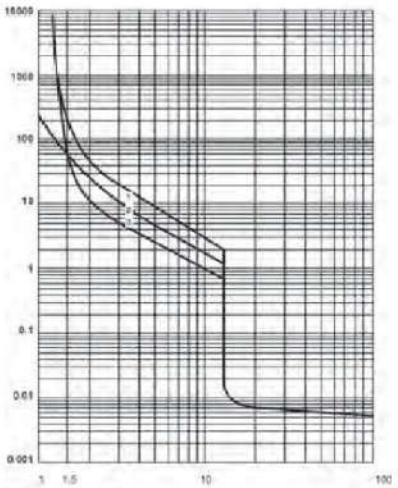
Explanations to individual electronics on page 62.
Other versions available upon request

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	**Short-circuit-protection**	..23
0.40 – 0.63 A		..24
0.63 – 1.00 A	no fusing	..25
1.00 – 1.60 A	necessary	..26
1.60 – 2.50 A	up to Icc = 50 kA	..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:



Technical data:

Housing material:	Polycarbonate
Protection class:	IP 45 (IP55*)
Length:	(CEE 16 A) 285 mm
	(CEE 32 A) 300 mm
	(2x M32) 275 mm
Width:	90 mm
Height:	87 mm
Weight:	(CEE 16 A) app. 960 g
	(CEE 32 A) app. 1050 g

Notice:

Items with 2x M32 cable glands are rated **IP55**.

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Sectionneur 5.5 kW avec commande auto / manuelle et protection thermique avec entrée contrôle-commande pour détecteur de niveau



The NOLTA Contactor Combination offers optimal protection for all electric motors up to 5.5 kW (7.4 hp), e.g.:

- Pumps
- Compressors
- Automatic / Manuallevel control applications





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Sectionneur 5.5 kW avec commande auto / manuelle et protection thermique avec entrée contrôle-commande pour détecteur de niveau

All NOLTA Contactor Combinations are equipped with an operating- and a manual/automatic rocker switch.
Optionally the NOLTA contactor combination is available with phase sequence indicator, phase inverter, operating indicator or without plug.
With its additional cable gland the contactor combination is easy to equip with a float switch or a remote monitoring device.

Available versions:

Voltage Frequency	Plug Pins	Features	CEE 16 A	CEE 32 A	Without CEE + Phase inverter 16 A
400 V, 6h, 50-60 Hz	3P+E+N		80 4241..	80 8241..	80 9241..
	3P+E+N	Phase inverter + Phase sequence indicator	80 4253..	80 8253..	80 9253..
	3P+E+N	Phase inverter + Phase sequence indicator / operating indicator	80 4255..	80 8255..	80 9255..
400 V 50-60 Hz					80 9241..
		Phase sequence indicator			80 9253..
		Phase sequence indicator + operating indicator			80 9255..

With additional electronics (standard version equipped with phase inverter and phase sequence indicator)

400 V, 6h, 50-60 Hz	3P+E+N	Restart inhibit	80 4701..	80 8701..	80 9702..
	3P+E+N	Failure indicator / 24 V control voltage max. 8 / restart inhibit	80 4800..	80 8800..	80 9800..
	3P+E+N	Operating indicator / Tightness monitoring	80 4256..	80 8256..	80 9256..
	3P+E+N	Phase failure / phase sequence monitoring	80 4901..	80 8901..	80 9901..

Explanations to individual electronics on page 62

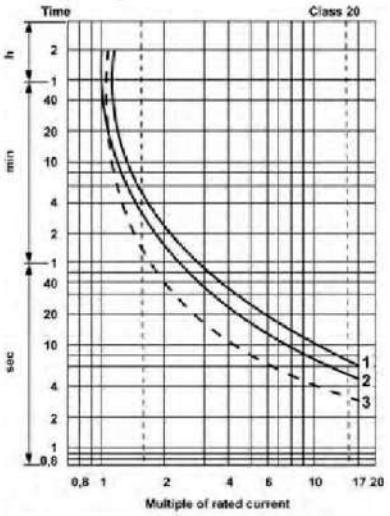
Other versions available upon request

Ranges of adjustment:

Adjustment range	max. back up fuse	Order-No. addition
0.10 – 0.23 A	0.5 A	..01
0.23 – 0.36 A	1.0 A	..02
0.36 – 0.54 A	1.6 A	..03
0.54 – 0.80 A	2.0 A	..04
0.80 – 1.20 A	4.0 A	..05
1.20 – 1.80 A	6.0 A	..06
1.80 – 2.60 A	8.0 A	..07
2.60 – 3.70 A	10.0 A	..08
3.70 – 5.50 A	16.0 A	..09
5.50 – 8.00 A	20.0 A	..10
8.00 – 11.50 A	25.0 A	..11
10.50 – 14.00 A	32.0 A	..12

Higher ampere ranges see page 12

Tripping Characteristics:



1. Symmetrical load, 3-phase, cold
2. 2-phase load, cold
3. Symmetrical load, 3-phase, warm

How to specify your order:

80 425508	
80..	Main group
..4255..	Type description
..08	Adjustment range

NOLTA motor-starter plug, CEE 16 A, 3P+E+N, 6h, 400 V, 50 - 60 Hz, with contactor and motor protective relay. Adjustment range 2.6 – 3.7 A, Phase inverter, Phase sequence indicator and Operating indicator

Technical data subject to change

Technical Data

Housing material:	Polycarbonate
Protection class:	IP 44
Length:	(CEE 16 A) 290 mm (CEE 32 A) 310 mm
Width:	110 mm
Height:	80 mm
Weight:	approx.. 1100 g

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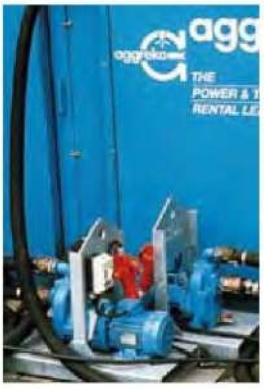
Sectionneur 15 kW avec commande auto / manuelle et protection thermique avec entrée contrôle-commande pour détecteur de niveau



The NOLTA Contactor Combination offers optimal protection for all electronic motors up to 15 kW (20 hp), e.g.:

- Pumps
- Compressors
- Automatic / Manual level control application





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Sectionneur 15 kW avec commande auto / manuelle et protection thermique avec entrée contrôle-commande pour détecteur de niveau

All NOLTA 15 kW (20 hp) Contactor Combinations are equipped with an operating- and a manual / automatic rocker switch as well as an input lead with CEE 32 A phase inverter and phase sequence indicator. Optionally the NOLTA contactor combination is available with an operating indicator.

Available Versions:

Voltage/ Frequency	Input-lead with 32 A Plug	Features	CEE
400 V, 6h, 50-60 Hz	3P+E+N	Phase inverter + Phase sequence indicator	80 9253..
	3P+E+N	Phase inverter + Phase sequence indicator + Operating indicator	80 9255..

With additional electronics (standard version equipped with Phase inverter + Phase sequence indicator)

400 V, 6h, 50-60 Hz	3P+E+N	Restart inhibit / Operating indicator	80 9702..
	3P+E+N	Operating indicator / Tightness monitoring	80 9256..

Description of electronics on page 62.

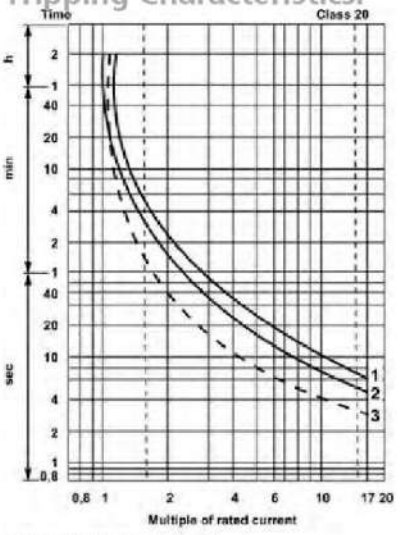
Other versions available upon request

Ranges of Adjustment:

Adjustment Range	max. back up fuse	Order-No. addition
12.00 – 18.00 A	35.0 A	..13
16.00 – 24.00 A	50.0 A	..14
23.00 – 32.00 A	63.0 A	..15

Technical data subject to change

Tripping Characteristics:



1. Symmetrical load, 3-phase, cold
2. 2-phase load, cold
3. Symmetrical load, 3-phase, warm

Technical data:

Housing material:	Polycarbonate
Protection class:	IP 44
Length	325 mm
Width:	145 mm
Height:	140 mm
Weight:	approx. 2500g

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NOLTA - Protection thermique de moteurs
Sectionneur / Inverseur de sens de rotation par bouton rotatif et protection thermique



The NOLTA Power-Starter switch and Power-Reverser for safe switching of all electric motors, e.g.:

- Agitators
- Reversing motors
- Conveyors





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NOLTA - Protection thermique de moteurs

Sectionneur / Inverseur de sens de rotation par bouton rotatif et protection thermique

All NOLTA Power-Starter and Power-Reverser switches are equipped with a rotary toggle switch to start and stop the connected motor. Alternatively the switch can be used as an operating or operating reversing-plug. Optionally NOLTA power-starter and power-reverser switches are available with a phase inverter and a phase sequence indicator.

Available versions:

With Power switch max. 32A

Voltage Frequency	Plug Pins	Features	CEE 16 A	CEE 32 A
400 V, 6h, 50-60 Hz	3P+E+N		83 1001	83 1501
	3P+E+N	Phase inverter, Phase sequence indicator	83 1004	83 1504

With Power reversing switch max. 20A

Voltage Frequency	Plug Pins	Features	CEE 16 A	CEE 32 A
400 V, 6h, 50-60 Hz	3P+E+N		83 1100	83 1600
	3P+E+N	Phase inverter, Phase sequence indicator	83 1104	83 1604

Other versions available upon request

Technical Data:

Housing material:	Polycarbonate
Protection class:	IP 44
Length	(CEE 16 A) 265 mm
	(CEE 32 A) 285 mm
Width:	84 mm
Height:	70 mm
Weight:	approx. 650 g

Technical data subject to change

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NOLTA - Protection thermique de moteurs
Sectionneur avec sélecteur Etoile / Triangle et protection thermique



The NOLTA Star-Delta easy start for heavy applications, e.g.:

- Rolling mills
- Move mills
- Waste water pumps





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NOLTA - Protection thermique de moteurs
Sectionneur avec sélecteur Etoile / Triangle et protection thermique

All NOLTA Star-Delta starters are equipped with a rotary selection switch with thermal and under voltage release as well as a connection motor thermal sensor. The starters are standardly equipped with a carrying handle and an input lead with CEE 32 A phase inverter 3P+E+N, 6h, 400 V.

Available versions:

Voltage Frequency	Adjustment Range	Order Number
400 V, 6h, 50-60 Hz	12.10 – 18.20 A	8019051
	17.00 – 26.00 A	8019052
	24.00 – 37.00 A	8019053

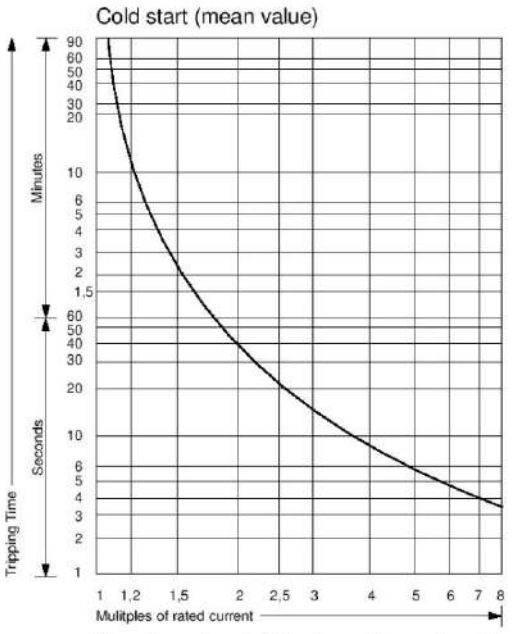
Other versions available upon request

Technical Data:

Housing material:	Polycarbonate
Protection class:	IP 45
Length:	315 mm
Width:	145 mm
Height:	200 mm
Weight:	Approx. 2700g
Supply voltage::	400 V, 50 Hz
Tolerance range:	+6% - 10% of the rated voltage according to DIN EN 60038 (VDE 0175)
Breaking capacity:	Star-delta start up to 15 kW
Ambient temperature:	-15 °C bis +40 °C
Test voltage:	2500 V / 50 Hz
Protection against contact:	According to VDE 0660-504 BGV A3
Supply:	Connection cable with 32 A CEE plug 5-pole with phase inverter
Motor side gland:	M32 (clamping range 11-21 mm)
Features:	Motor protection, star-delta starter, phase inverter, under voltage release, thermal contact connection

Technical data subject to change

Tripping characteristic:

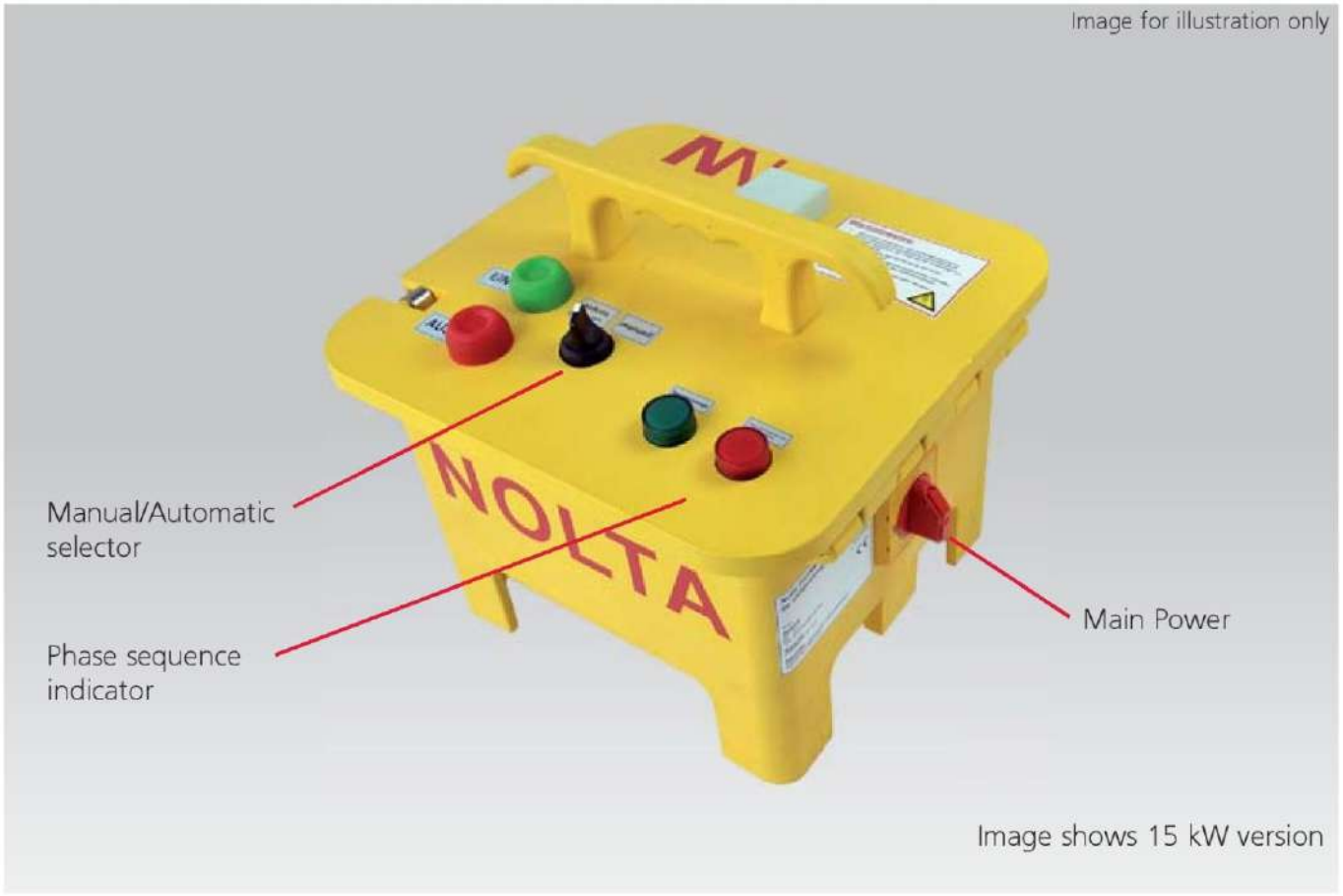


The release characteristics shows the opening delay of the switches average value of the strewing volumes from cold contition with 20°C ambient temperature. With devices at operating temperature the time lag of the bimetal tripping devices sinks by approx. 1/4 of the read off values.

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NOLTA - Protection thermique de moteurs
Télécommande portative avec sectionneur et protection thermique 5.5 ou 22 kW



The portable NOLTA Soft-Starter for pumps and motors with high initial currents, e.g.:

- Waste water stations
- Mud pumps
- Industrial motors



7.5 kW



22 kW



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NOLTA - Protection thermique de moteurs

Télécommande portative avec sectionneur et protection thermique 5.5 ou 22 kW

All NOLTA Soft-Starters are equipped with a motor protection switch with thermo electro-magnetic release as well as a phase sequence and run indicator.
They offer connections for single point and dual level controls as well as level sensors.
Motors with integrated or external motor thermal sensors can also be connected.
A range of optional connection sets are available for easy installation.
Availability of features and accessories can vary between different versions.

Available Verisons:

7.5 kW Soft-Starter

		Article Number.
	Basic - Soft-Starter <7.5W	70 5000..
Adjustment range motor protection	6.30 - 9.00 A	..30
	9.00 - 12.50 A	..31
	12.50 - 16.0 A	..32

15 kW Soft-Starter

		Article Number
	Basic - Soft-Starter <15kW	70 5100..
Adjustment range motor protection	13.00 – 18.00 A	..32
	17.00 – 23.00 A	..33
	20.00 – 25.00 A	..34
	24.00 – 32.00 A	..35

22 kW Soft-Starter:

		Article No.
	Basic - Soft-Starter <22kW	70 5200..
Adjustment range motor protection	30.00 - 40.00A	..36
	37.00 - 50.00A	..37

Other versions available upon request

Accessories

		Artikel Nummer
Connection-Sets	Connection-Set CEE 32A 3m	03 3203
	Connection-Set CEE 63A 3m	03 6303
Level controller (See page 32)	e.g. Level Control MS1 10m	40 000110
	e.g. Level Control MS1 20m	40 000120

Compatible with all float switches in the NOLTA Catalogue. The connection set includes a 3m H07RN-F cable with pre-assembled connector plug. Other cable lengths are available upon request.

How to specify your order:

70 510033	
70..	Basic model
..5100..	Type description
..33	Adjustment range

NOLTA-Soft-Starter <15kW. Adjustment range 17.00-23.00A. with running and phase sequence indicator

Technical data subject to change

Technical Data:

	7,5 kW	15 kW	22kW
Housing:	Solid rubber "Signal Yellow" RAL 1003	Solid rubber "Signal Yellow" RAL 1003	Solid rubber "black"
Protection class:	IP 44	IP 44	IP 44
Dimensions (L x W x H incl. handle):	306/230/288 mm	360 x 340 x 330 mm	565/450/460 mm
Switch cycles:	20 Starts/h	Max. 20 Starts/h	Max. 20 Starts/h
Soft-starter operating current max.:	IEC max. 16,0 A UL max. 15,2 A	max. 30.0 A IEC max. 28.0 A UL	max. 45.0 A IEC max. 46.2 A UL
Weight:	app. 7 Kg	12.0 kg (26.5 lbs) 14.6 kg (32.2 lbs) with 2 level controllers MS1 10m	24.5 kg (54.0 lbs)

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Interrupteur 230V avec commande auto / manuelle et protection thermique avec entrée contrôle-commande pour détecteur de niveau



The NOLTA Motor Starter 230V for all single phase motors,
e.g.:

- Pumps
- Buzz saws
- Industrial motors





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Interrupteur 230V avec commande auto / manuelle et protection thermique avec entrée contrôle-commande pour détecteur de niveau

The NOLTA Motor Starter is equipped with an over-current protection switch and ar
ON / OFF switch or optionally a manual / automatic switch.
The type 81 02.. is suitable for the connection of a level controller.

Available versions:

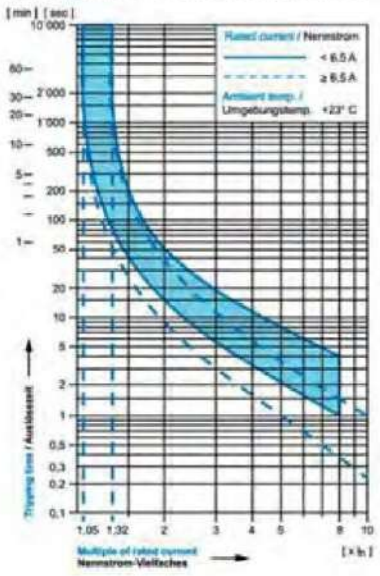
Type	on/off switch (max. 8A)	manual/ automatic switch (max. 8A)	over-current protection switch
81 00..	X		X
81 02..		X	X

Motor Starter can be mounted wit h a NIVA float switch on de

Nominal current:

Nominal current	Order-No. addition
1.0 A	..01
1.5 A	..02
2.0 A	..03
2.5 A	..04
3.0 A	..05
3.5 A	..06
4.0 A	..07
4.5 A	..08
5.0 A	..09
5.5 A	..10
6.0 A	..11
6.5 A	..12
7.0 A	..13
7.5 A	..14
8.0 A	..15

Tripping Characteristics:



How to specify your order:

81 0208	
81..	Main group
..02..	Type description
..08	Nominal current

NOLTA-Motor Starter 230 V, 50 Hz, with Manual/Automatic switch max. 8A and Over current protection, 4.5 A

Technical data subject to change

Technical data:

Housing material:	Polycarbonate
Protection class:	IP 44
Length:	140 mm
Width:	66 mm
Height	88 mm
Weight:	approx. 320 g

- Also available with Swiss plug type CH12.

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Prise-interrupteur 230V avec protection thermique, condensateur et entrée contrôle-commande pour détecteur de niveau



Combine with float switches N1 and N1 pro (see page 50)

The NOLTA capacitor plug for all one phase motors, e.g.:

- Pumps
- Buzz saws
- Industrial motors







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Prise-interrupteur 230V avec protection thermique, condensateur et entrée contrôle-commande pour détecteur de niveau

All NOLTA capacitor plugs are equipped with an operating capacitor and an over-current protection switch. Type 81 58.. may be used with a level controller.

Available versions:

Type	on/off switch with over-current protection (max. 8A)	on/off switch with over-current protection (max. 16A))	manual/ automatic switch (max. 8A)
81 53..		X	
81 58..*	X		X

* only available up to max. 8A.

Other versions available upon request

Capacitance:

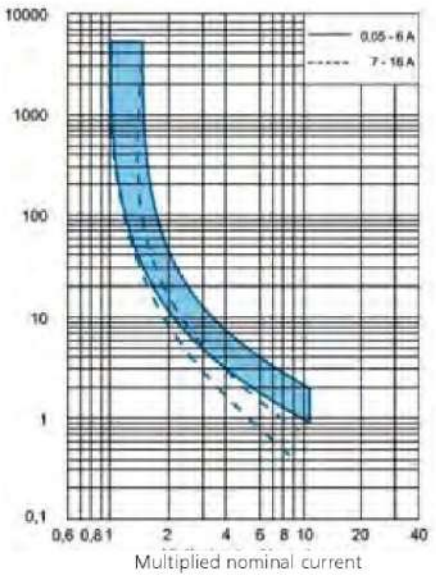
Rated capacitance µF ± 5% µF + 10%	Order-No. addition
20 µF	..29..
25 µF	..32..
30 µF	..35..

Nominal current:

Nominal current	Order-No. addition
0.5 A	..06
0.8 A	..09
1.0 A	..11
1.2 A	..13
1.5 A	..16
1.8 A	..18
2.0 A	..19
2.5 A	..21
3.0 A	..22
3.5 A	..23
4.0 A	..24
5.0 A	..26
6.0 A	..28
7.0 A	..30
8.0 A	..32
9.0 A	..34
10.0 A	..35
12.0 A	..37
15.0 A	..40
16.0 A	..41

Type 81 58.. to max. 8 A

Tripping Characteristics:



How to specify your order:

81 532928	
81..	Main Group
..5329..	Capacitance
..28	Nominal current

NOLTA-Capacitor Plug 230 V, 50 Hz, with Capacitor 20 µF, On/Off switch and over current protection, 6,0 A

Technical data subject to change

Technical data:

Housing material:	Polycarbonate
Protection class:	IP 44
Length:	140 mm
Width:	66 mm
Height	110 mm
Weight	approx. 320 g

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Prise-interrupteur 230V avec protection thermique
et entrée contrôle-commande pour détecteur de niveau



The NOLTA Piggy-Back plug
with motor protection for all single phase
motors, e.g. in:

- Tanks
- Wells
- Ponds





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Prise-interrupteur 230V avec protection thermique et entrée contrôle-commande pour détecteur de niveau

The NOLTA Piggy-Back plug with on/off-switch and motor protection creates a plug and pump level controlled pump application.
Whether a tank needs to be filled or emptied this plug, with the corresponding float switch, is put in between the pump plug and the power outlet.
The NOLTA Piggy-Back plug is fitted with a 8A motor protection. Sizes below 8A are available upon request. If no float switch is needed, the Piggy-Back plug can be fitted with a motor protection of up to 16A.
Optional accessories include a weight for fine tuning of the switching point.

Available Versions

Type	Application	Order number
N1	normally open	81Z02032..
N1	normally closed	81Z02132..
N1 pro	normally open	81Z02232..
N1 pro	normally closed	81Z02332..

Adjustment range:

Nominal current	Order No. addition
0.5 A	..06..
0.8 A	..09..
1.0 A	..11..
1.2 A	..13..
1.5 A	..16..
1.8 A	..18..
2.0 A	..19..
2.5 A	..21..
3.0 A	..22..
3.5 A	..23..
4.0 A	..24..
5.0 A	..26..
6.0 A	..28..
7.0 A	..30..
8.0 A	..32..
9.0 A	..34
10.0 A	..35
12.0 A	..37
15.0 A	..40
16.0 A	..41

With controller only available up to 8A

Cable length:

Cable length in meters	Order number addition
2	..02
5	..05
10	..10
20	..20

Other lengths available upon request

How to specify your order:

81Z020..	Main group
..32..	Nominal current
..05	Cable length

81Z0203205 = NOLTA-Piggy-Back plug with motor protection, 50 Hz, with On/Off switch + over current protection 8.0 A with pre-mounted float switch "N1 N/O 5m".

Technical data subject to change

Technical Data Float Switch:

N1: see page 50
N1 pro: see page 52

Technical Data Plug:

Housing material:	Polycarbonate
Protection class:	IP 44
Length:	140 mm
Width:	66 mm
Height:	110 mm
Weight:	app. 320 g

- Also available with Swiss plug type (Plug CH12 and socket CH13)

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Prise 230V avec protection thermique



The NOLTA Compact Plug 230V
for all indoor single phase motors,
e.g. in:

- Power drills
- Saws
- Industrial motors





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Prise 230V avec protection thermique

All NOLTA compact plugs are motor protection plugs with an over current protection up to 16A at input voltage 250V. The version with an on/off switch includes a starter function.

Available Versions

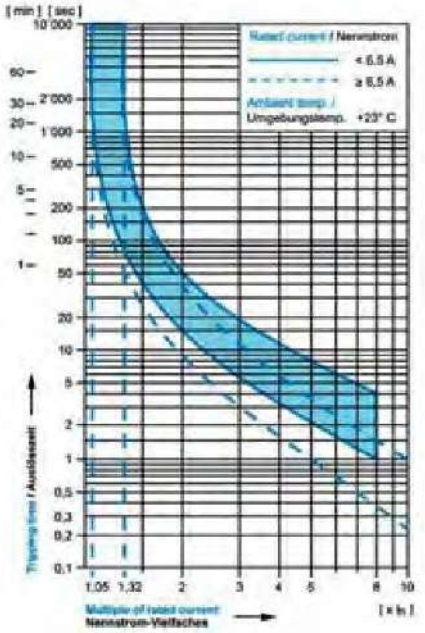
Compact Plug:

Nominal current	Order No.
0.5 A	81 0105
0.8 A	81 0108
1.0 A	81 0109
1.2 A	81 0110
1.5 A	81 0113
1.8 A	81 0114
2.0 A	81 0115
2.5 A	81 0117
3.0 A	81 0118
3.5 A	81 0119
4.0 A	81 0120
4.5 A	81 0121
5.0 A	81 0122
6.0 A	81 0123
7.0 A	81 0124
8.0 A	81 0125
9.0 A	81 0126
10.0 A	81 0127
11.0 A	81 0128
12.0 A	81 0129
13.0 A	81 0130
14.0 A	81 0131
15.0 A	81 0132
16.0 A	81 0133

Compact Plug with On/Off switch:

Nominal current	Order No.
0.5 A	81 0234
0.8 A	81 0237
1.0 A	81 0238
1.2 A	81 0239
1.5 A	81 0242
1.8 A	81 0243
2.0 A	81 0244
2.5 A	81 0246
3.0 A	81 0247
3.5 A	81 0248
4.0 A	81 0249
4.5 A	81 0250
5.0 A	81 0251
6.0 A	81 0252
7.0 A	81 0253
8.0 A	81 0254

Tripping Characteristics



Technical Data:

Housing:	PC Makrolon
Protection Class:	IP 20
Length:	90 mm
Width:	43 mm
Height:	67 mm
Weight:	app. 110 g

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Prise 230V en caoutchouc avec interrupteurr et protection thermique



The NOLTA Rubber Plug
for all one phase motors, e.g.:

- Pumps
- Buzz saws
- Industrial motors





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Prise 230V en caoutchouc avec interrupteur et protection thermique

The NOLTA Rubber Plug is equipped with an over-current release up to 16 A at a rated voltage of 250 V. This type is also available as a rubber plug, without an integrated on/off switch.

Available Versions

Connector plug **with** motor protection **without** On/Off switch:

Nominal current	Article No.
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

Connector plug **with** motor protection **with** On/Off switch:

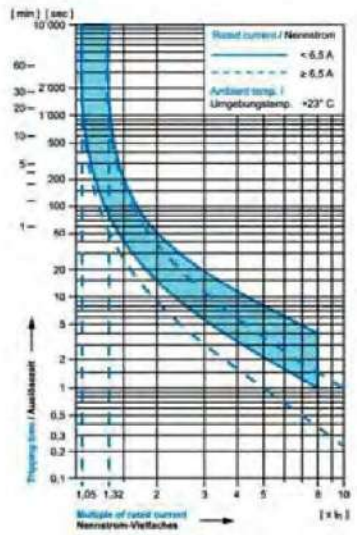
Nominal current	Article No.
0.5 A	81 1305
0.8 A	81 1308
1.0 A	81 1310
1.2 A	81 1312
1.5 A	81 1315
1.8 A	81 1317
2.0 A	81 1318
2.5 A	81 1320
3.0 A	81 1321
3.5 A	81 1322
4.0 A	81 1323
4.5 A	81 1324
5.0 A	81 1325
6.0 A	81 1327
7.0 A	81 1328
8.0 A	81 1329

Rubber plug **without** motor protection **with** On/Off switch:

Description	Article No.
Rubber plug with On/Off switch max. 6 A	81 0358
Rubber plug with On/Off switch max. 8 A	81 0360

Technical data subject to change

Tripping Characteristics



Technical data:

Housing material:	NBK
Protection class:	IP 44
Length:	100 mm
Width:	57 mm
Height:	85 mm
Weight:	approx. 200 g

- Other plug types available upon request

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