



The NOLTA star-delta light start for hard going applications, e.g.:

- Rolling mills
- Move mills
- Waste water pumps



All NOLTA star-delta starters are equipped with a rotary selection switch with thermal and undervoltage release as well as connections a motor thermo sensor. The starters are equipped as standard 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

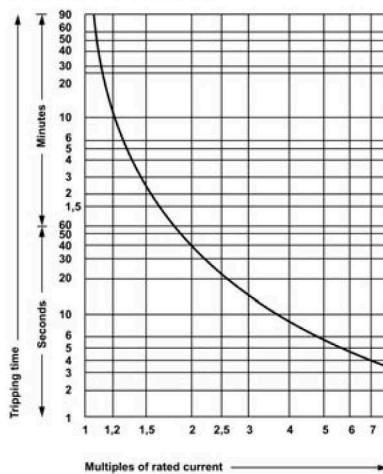
Technical data:

Supply voltage:	400 V, 50 Hz
Permissible voltage 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 to +40 °C
Test voltage:	2500 V / 50 Hz
Protection against contact:	according to VDE 0660-504 BGV A3
Supply:	Connecting cable with 32 A CEE plug 5-pole with phase inverter
Motor side gland:	M32 ((clamping range 11 - 21 mm)
Equipment:	Motor protection, star-delta starter, phase inverter, undervoltage release, thermo contact connection
Housing material:	Polycarbonate
Protection class:	IP 44
Length:	315 mm
Width:	145 mm
Height:	200 mm
Weight:	approx. 2700 g

Technical data subject to change

Tripping characteristic:

Cold start (mean value)



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

**EC Declaration of Conformity**

according to

**EC Low Voltage Directive 2006 /95 / EG
EC Directive on electromagnetic compatibility 2004/108/EG**

We

**NOLTA GmbH
35091 Cölbe**

hereby declare, that this product complies with the following standards and guidelines:

Product: **NOLTA Star-Delta**

Applied harmonised EC - Norms:

- DIN EN 60999-1 / VDE 0609-1
- DIN EN 55014 / 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 60695-1-1 / VDE 0471 1-1

Cölbe, 02.02.2009

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