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:

<table>
<thead>
<tr>
<th>Voltage Frequency</th>
<th>Adjustment range</th>
<th>Order number</th>
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</thead>
<tbody>
<tr>
<td>400 V, 6h, 50-60 Hz</td>
<td>12.10 – 18.20 A</td>
<td>8019051</td>
</tr>
<tr>
<td></td>
<td>17.00 – 26.00 A</td>
<td>8019052</td>
</tr>
<tr>
<td></td>
<td>24.00 – 37.00 A</td>
<td>8019053</td>
</tr>
</tbody>
</table>

Other versions available upon request.

### Technical data:

- **Supply voltage:** 400 V, 50 Hz
- **Permissible voltage tolerance range:** +6 % - 10 %
- **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:** 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

### Tripping characteristic:

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

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Order phone: +49-6421-98590
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

Dr.-Ing. Jochen Knake / Geschäftsführer

Wolfgang Seip / Qualitätsmanagement

NOLTA GmbH – 35091 Cölbe / Germany
Telefon Fon +49 64 21 / 98 59 14 - Fax +49 64 21 / 98 59 28 - Email: info@nolta.de – www.nolta.de