Load Disconnect Switches and Motor Starters
YD star-delta contactor combination

8220/5-SL-SS90kW400V-T  Art. No. 142453

- Modular motor starters for all gas groups
- Control panels: Direct-On-Line Motor Starter DOL, YD, reversing contactor combinations
- Optional customer-specific equipping with main switches, main fuses and control devices

R. STAHL Series 8220 standard motor starters are installed in Ex d enclosures and have an Ex e connection chamber enclosure. They are available in various control variants for rapid delivery. As an option, the control panels can be fitted with main switches, main fuses and control devices as per the customer’s requirements.

Technical Data

Explosion Data

<table>
<thead>
<tr>
<th>Application range (zones)</th>
<th>1</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>21</td>
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<td></td>
<td>22</td>
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</table>

IECEx gas certificate  IECEx PTB 06.0069
IECEx gas explosion protection  Ex db eb IIC T6 Gb
IECEx dust certificate  IECEx PTB 06.0069
IECEx dust explosion protection  Ex tb IIIC T80 °C Db

ATEX gas certificate  PTB 02 ATEX 1109
ATEX gas explosion protection  Ex tb IIIC T80 °C Db

Electrical Data

Rated operational voltage AC  400 V

Ambient Conditions

Ambient temperature  -20 °C ... +40 °C

Mechanical Data

Degree of protection (IP)  IP54
IP degree of protection (IEC 60529)  IP66
Enclosure  8225/133
Enclosure material  Sheet steel, painted
Enclosure colour  Light grey (RAL 7035)
Terminals  4 x 95 mm²
Terminals 2  6 x 50 mm²
Threaded holes on bottom  1 x M63
                          2 x M40
                          2 x M25
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**Mechanical Data**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Cable entry</td>
<td>1 x M63</td>
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<tr>
<td>Cable entry 2</td>
<td>2 x M40</td>
</tr>
<tr>
<td>Cable entry 3</td>
<td>2 x M25</td>
</tr>
<tr>
<td>Width</td>
<td>480 mm</td>
</tr>
<tr>
<td>Height</td>
<td>325 mm</td>
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<tr>
<td>Length</td>
<td>480 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>141 kg</td>
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<tr>
<td>Weight</td>
<td>310.85 lb</td>
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</tbody>
</table>

**Technical Drawings – Subject to Alterations**

![Technical Drawing]

**Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations**

![Dimensional Drawing]

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.