Load Disconnect Switches and Motor Starters
Direct-on-line motor starter (DOL)

8220/5-SM-ES75kW400V-T  Art. No. 142443

- 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>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>21</td>
</tr>
<tr>
<td></td>
<td>22</td>
</tr>
</tbody>
</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 IIC T80 °C Db

ATEX gas certificate: PTB 02 ATEX 1109
ATEX gas explosion protection: Ex tb IIIC T80 °C Db
ATEX dust certificate: PTB 02 ATEX 1109
ATEX dust explosion protection: Ex db II G Ex db eb IIC T6 Gb

**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: 8225/122
Enclosure material: Sheet steel, painted
Enclosure colour: Light grey (RAL 7035)

Terminals: 4 x 50 mm²
Terminals 2: 3 x 35 mm²

Threaded holes on bottom: 1 x M50
                                1 x M40
                                2 x M25
Load Disconnect Switches and Motor Starters
Direct-on-line motor starter (DOL)

8220/5-SM-ES75kW400V-T  Art. No. 142443

**Mechanical Data**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable entry</td>
<td>1 x M50</td>
</tr>
<tr>
<td>Cable entry 2</td>
<td>1 x M40</td>
</tr>
<tr>
<td>Cable entry 3</td>
<td>2 x M25</td>
</tr>
<tr>
<td>Width</td>
<td>360 mm</td>
</tr>
<tr>
<td>Height</td>
<td>268 mm</td>
</tr>
<tr>
<td>Length</td>
<td>360 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>76 kg</td>
</tr>
<tr>
<td>Weight</td>
<td>167.55 lb</td>
</tr>
</tbody>
</table>

**Technical Drawings – Subject to Alterations**

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

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.