R. STAHL’s 8146/5-V27 series moulded case circuit breakers for motor protection protect Ex e and Ex d motors and their associated electric lines and systems. The standard variants feature an adjustable, phase-sensitive thermal overcurrent release or electromagnetic tripping mechanism, which has to be specified during the ordering process. They cannot be retrofitted.

### Selection Table

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<tr>
<th>Current-setting range</th>
<th>Auxiliary contacts</th>
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<th>AC release voltage</th>
<th>Cable glands and entries</th>
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### WebCode 8146N

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- Electric line and system protection for Ex e and Ex d motors
- Robust enclosure made from glass fibre-reinforced polyester resin
- Optional: Undervoltage release, shunt trip, ammeter, auxiliary contact

**IECEx / ATEX**

Zone

- Zone 0
- Zone 1
- Zone 2
- Zone 20
- Zone 21
- Zone 22
### Selection Table

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## Motor Protection Circuit Breaker

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### Selection Table

#### Current-setting range  9.00 - 12.50 A

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<th>Gas temperature class</th>
<th>Product Type</th>
<th>Art. No.</th>
<th>Weight kg</th>
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#### Current-setting range  12.50 - 16.00 A

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<th>Cable glands and entries</th>
<th>Gas temperature class</th>
<th>Product Type</th>
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<td>Ex db eb IIC T5 Gb</td>
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<td>Ex tb IIC T80 °C Db</td>
<td>Ex tb IIC T95 °C Db</td>
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<td>IECEx dust explosion protection</td>
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Electrical Data

| No. of poles | 3 | 3 |

Ambient Conditions

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

Notes

Information regarding ambient conditions can be found on the Internet at r-stahl.com. WebCode 8148N

Mechanical Data

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- Core programme – stock item, dispatch within 7 days
- Core programme – item available at reduced lead times on request

13.08.2023 - PO en
Motor Protection Circuit Breaker

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

Current adjustment range up to 16 A; without auxiliary contact

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<th>Auxiliary contacts</th>
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Current adjustment range up to 16 A: 1 NO / 1 NC

Current adjustment range 16 ... 20 A and 20 ... 22.5 A: with / without auxiliary contact

Cable entries

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Current adjustment range 16 ... 20 A and 20 ... 22.5 A: with / without auxiliary contact

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

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Current adjustment range 16 ... 20 A and 20 ... 22.5 A: with / without auxiliary contact

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