Contactors

S134 series
1 pole emergency disconnect switches
Catalogue B124.en
S134 – 1 pole emergency disconnect switches

Schaltbau S134 series manual disconnect switches are capable of opening a power circuit quickly and effectively.

Installation of these switches enhances safety at the work place significantly (meeting requirements for accident prevention).

S134 series switches are intended for use with DC applications. Magnetic blowouts allow for higher breaking capacity. As a consequence the polarity of the terminals must be strictly observed when connecting these switches.

Load circuits are closed by pulling the red mushroom knob and rupture by pushing it down. The positive opening operation guarantees that the contacts open in the event of an emergency. Thanks to its snap mechanism the switch once actuated will complete the switch off procedure in any case, because the snap mechanism works independent of the actuator. For ON and OFF there are two maintained positions.

Optional is a lockable version complete with cylinder lock. The disconnect switch may be locked when engaged to the OFF position so as to prevent unauthorized use - with key removable only in OFF position.

Features

- Single pole emergency disconnect switch with snap mechanism
- Magnetic blowout
- Two definite maintained positions (ON/OFF)
- Auxiliary contact available
- Optional lockable version

Schaltbau emergency disconnect switches are designed for use with battery-powered vehicles such as:

- Fork lift trucks
- Reach trucks
- Pedestrian stacker trucks

Ordering code

Example: S134-1-Z0-H11-M8-L1

<table>
<thead>
<tr>
<th>Series</th>
<th>S134 single pole</th>
</tr>
</thead>
<tbody>
<tr>
<td>Version</td>
<td></td>
</tr>
<tr>
<td>Z0</td>
<td>no lock cylinder</td>
</tr>
<tr>
<td>Z1</td>
<td>lockable version</td>
</tr>
<tr>
<td>Z2</td>
<td>complete with lock plate and lock cylinder S1</td>
</tr>
<tr>
<td>Aux. contacts, number and type</td>
<td></td>
</tr>
<tr>
<td>H00</td>
<td>no auxiliary contact</td>
</tr>
<tr>
<td>H01</td>
<td>version for aux. contact assembly</td>
</tr>
<tr>
<td>H11</td>
<td>aux. contact assembly S840</td>
</tr>
<tr>
<td>H21</td>
<td>aux. contact assembly S826</td>
</tr>
<tr>
<td>H31</td>
<td>aux. contact assembly S870 W1D1 t</td>
</tr>
</tbody>
</table>

Accessories

- Aux. contact assembly S826
- Lock cylinder S1 ZHS 4A2S1**
- Lock plate ZP-S13x**

** Retrofitting only possible with version for auxiliary contact assembly, e.g. S134-1-Z0-H00-M8-L1.
** Retrofitting only possible with lockable version, e.g. S134-1-Z1-H00-M8-L1.
With it, you can order lock cylinder S1 (ZHS 4A2S1) and lock plate (ZP-S13x) as accessories at any time later.

This catalogue shows only stock items. For some variants minimum quantities apply. Please ask for the conditions.

Special variant: If you need a special variant of the switch, please do not hesitate to contact us. Maybe the type of switch you are looking for is among our many special designs. If not, we can also supply customized designs. In this case minimum quantities apply.

Subject to change
**Circuit diagram**

Subject to change / Dimensions in mm

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**Specifications**

<table>
<thead>
<tr>
<th>Series</th>
<th>S134</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type of voltage</strong></td>
<td>DC, 1x, NC</td>
</tr>
<tr>
<td><strong>Main contacts</strong></td>
<td></td>
</tr>
<tr>
<td>Nominal voltage</td>
<td>$U_n$</td>
</tr>
<tr>
<td>Rated insulation voltage</td>
<td>$U_i$</td>
</tr>
<tr>
<td>Rated impulse withstand voltage</td>
<td>$U_{imp}$</td>
</tr>
<tr>
<td>Conventional free air thermal current</td>
<td>$I_{th}$</td>
</tr>
<tr>
<td>Permissible inrush current</td>
<td>$I_{imp}$</td>
</tr>
<tr>
<td>Rated operational current</td>
<td>$I_{op}$</td>
</tr>
<tr>
<td>Breaking capacity</td>
<td>$I_{br}$</td>
</tr>
<tr>
<td><strong>Auxiliary contact</strong></td>
<td></td>
</tr>
<tr>
<td>Snap-action switch S840</td>
<td>SPDT, $I_{th} = 6$ A</td>
</tr>
<tr>
<td>Snap-action switch S826</td>
<td>SPDT, $I_{th} = 10$ A</td>
</tr>
<tr>
<td>Snap-action switch S870</td>
<td>SPDT, $I_{th} = 10$ A</td>
</tr>
<tr>
<td><strong>Mechanical endurance</strong></td>
<td>30,000 operations</td>
</tr>
<tr>
<td><strong>Mounting position</strong></td>
<td>horizontal, vertical</td>
</tr>
<tr>
<td><strong>Terminals, tightening torque</strong></td>
<td>Screws</td>
</tr>
<tr>
<td><strong>Temperature range</strong></td>
<td>$-25^\circ C ... +50^\circ C$</td>
</tr>
</tbody>
</table>

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**Dimension diagrams**

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**Accessories**

**Lock plate with lock cylinder S1**

Retrofit only possible with lockable version, e.g. S134-1-Z1-H00-M8-L1, refer to ordering code.

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**Aux. contact assembly HK-S134-L1**

Retrofit only possible with version for auxiliary contact assembly, e.g. S134-1-Z2-H01-M8-L1, refer to ordering code.

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**Mounting**

**Cutout**

<table>
<thead>
<tr>
<th>30</th>
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</thead>
</table>

Tightening torque:
- Main terminals: (3)/M8 / M10: 12 Nm max.
- Panel mounting: (7)/M5: 3 Nm max.

Unscrew the red switching knob for assembly. A hole through the socket and shaft serves as a counter-hold, into which a pin with Ø 3 mm is inserted.
Connectors
- Connectors manufactured to industry standards
- Connectors to suit the special requirements of communications engineering (MIL connectors)
- Charging connectors for battery-powered machines and systems
- Connectors for railway engineering, including UIC connectors
- Special connectors to suit customer requirements

Snap-action switches
- Snap-action switches with positive opening operation
- Snap-action switches with self-cleaning contacts
- Snap-action switch made of robust polyetherimide (PEI)
- Snap-action switch with two galvanically isolated contact bridges
- Special switches to suit customer requirements

Contactors
- Single and multi-pole DC contactors
- High-voltage AC/DC contactors
- Contactors for battery powered vehicles and power supplies
- Contactors for railway applications
- Terminal bolts and fuse holders
- DC emergency disconnect switches
- Special contactors to suit customer requirements

Electrics for rolling stock
- Equipment for driver’s cab
- Equipment for passenger use
- High-voltage switchgear
- High-voltage heaters
- High-voltage roof equipment
- Equipment for electric brakes
- Design and engineering of train electrics to customer requirements