Contactor

S132 series
1 pole emergency disconnect switches
Catalogue B123.de
S132 – 1 pole emergency disconnect switches

Schaltbau S132 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).

S132 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 ruptured 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)
- Optional lockable version

Applikations

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

- Fork lift trucks
- Reach trucks
- Pedestrian stacker trucks

Ordering code

<table>
<thead>
<tr>
<th>Series</th>
<th>1 pole emergency disconnect switch S132</th>
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<table>
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<tr>
<th>Version</th>
<th>Accessories</th>
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<tbody>
<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>
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</tbody>
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Example: S132-1-Z0

Special variants

If you need a special variant feel free to contact us. Maybe the type of disconnecting switch you are looking for is among our many special designs. If not, we also supply customized designs. In this case, however, minimum order quantities apply.

* Retrofitting is only possible with the lockable version S132-1-Z1. With it, you can order lock cylinder S1 (ZHS 4A251) and lock plate (ZP-S13x) as accessories at any time later.
**Circuit diagram**

- **Series:** S132
- **Type of voltage:** DC
- **Main contacts, configuration:** 1x, NC

**Main contacts**
- Nominal voltage: $U_{n}$
- Rated insulation voltage: $U_{I}$
- Rated impulse withstand voltage: $U_{imp}$

**Conventional free air thermal current**
- $I_{Th}$

**Permissible inrush current**
- $I_{Per}$

**Rated operational current**
- $I_{op}$

**Breaking capacity**
- 24 V DC, L/R=15 ms
- 48 V DC, L/R=15 ms
- 80 V DC, L/R=15 ms

**Subject to change / Dimensions in mm**

**Dimension diagrams**

- **Fastening screw M5**: Screw-in depth without fastening and intermediate plate.
- **Connection**: Screw-in depth of the connection screw 10 max.

**Accessories**

- **Lock plate with lock cylinder 51**

**Mounting**

- **Mounting cut-out**
  - Holes for mounting screws M5

**Permissible tightening torques**
- **Main terminals (Ø4)**:
  - Screw M8: 12 Nm max.
- **Panel mount (Ø6)**:
  - Screw M5: 3 Nm max.

**Version for retrofitting also available. In this case order S132-1-Z1, refer to ordering code.**
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