SCHALTBAU

DC Power Under Control

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Contactors

S132 series

1 pole emergency disconnect switches

Catalogue B123.de

More information
schaltbau.com

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

Example: **S132-1-Z0**

Series

S132-1	1 pole emergency disconnect switch S132

Version

Z0	no lock cylinder
Z1	lockable version*
Z2	complete with lock plate and lock cylinder 51

Accessories

ZHS 4A251	Lock cylinder 51
ZP-S13x	Lock plate

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 51 (ZHS 4A251) and lock plate (ZP-S13x) as accessories at any time later.*

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Circuit diagram

Specifications

Series			S132
Type of voltage			DC
Main contacts, configuration			1x, NC
Main contacts			
Nominal voltage		U_n	100 V
Rated insulation voltage		U_i	160 V
Rated impulse withstand voltage		U_{imp}	4 kV @ PD3
Conventional free air thermal current		I_{th}	125 A
Permissible inrush current			600 A
Rated operational current		I_e	250 A@24 V / 200 A@48 V / 150 A@80 V
Breaking capacity	24 V DC, L/R=15 ms		1,000 A
	48 V DC, L/R=15 ms		800 A
	80 V DC, L/R=15 ms		600 A
Mechanical endurance			30,000 operations
Mounting position			horizontal, vertical
Terminals, tightening torque			Screws M8, 6 Nm max
Temperature range			–25 °C ... +50 °C

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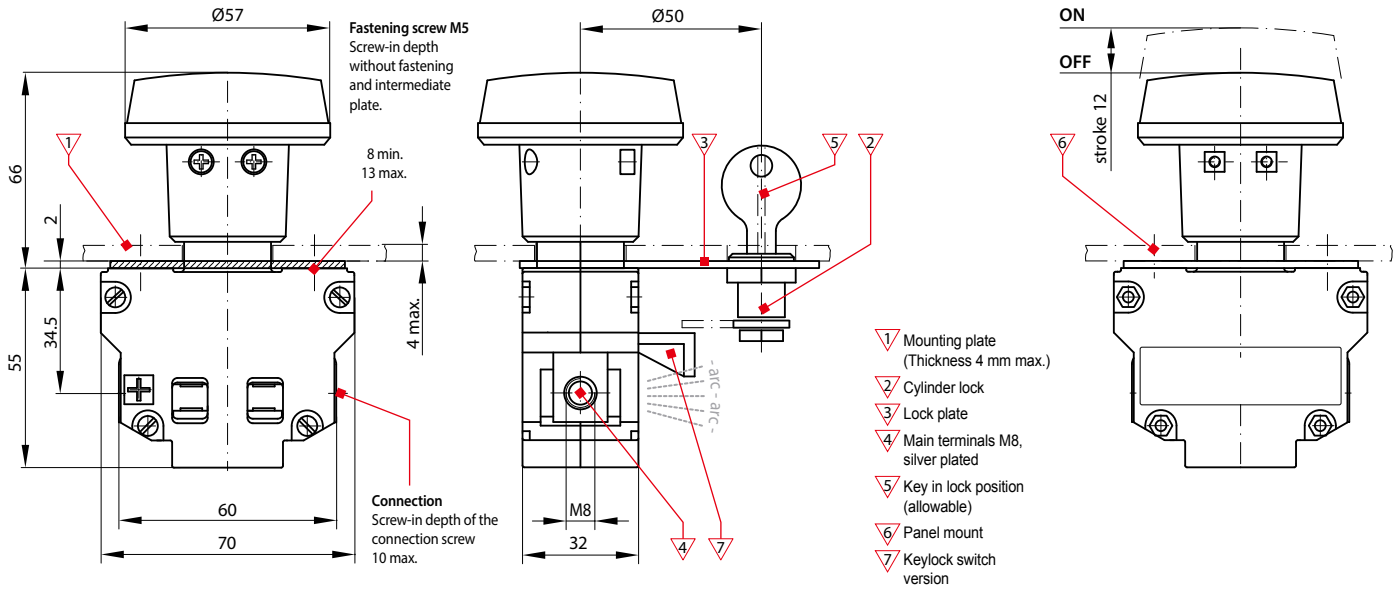
Dimension diagrams



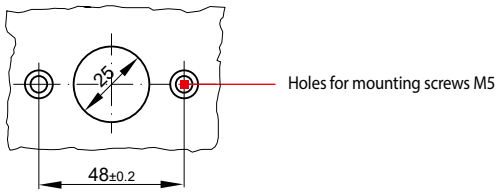
Accessories

Lock plate with lock cylinder 51

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

Mounting

Mounting cut-out



Permissible tightening torques

- Main terminals (4): Screw M8: 12 Nm max.
- Panel mount (6): Screw M5: 3 Nm max.

Schaltbau GmbH

For detailed information on our products and services visit our website – or give us a call!

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Find your worldwide contact person. We are here for you, personally!

with compliments:

IRIS Certification

The production facilities of Schaltbau GmbH have been IRIS certified since 2008.

Schaltbau GmbH ISO 14001 certified since 2002

Certified to DIN EN ISO 14001 since 2002. For the most recent certificate visit our website.

Schaltbau GmbH ISO 9001 certified since 1994

Certified to DIN EN ISO 9001 since 1994. For the most recent certificate visit our website.

Electrical Components and Systems for Railway Engineering and Industrial Applications

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
Emergency disconnect switches

- 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

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