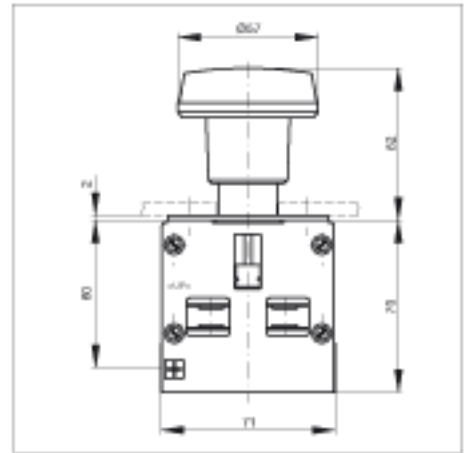


**Emergency
disconnect switches
Single pole ON/OFF
S134 Series**



S134 Series emergency disconnect switches Single-pole ON/OFF

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

- Snap action with one NC contact block
- Magnetic blowouts
- Two bistable maintained positions for ON and OFF
- Auxiliary contact available

Applications

Schaltbau emergency disconnect switches are designed for use with battery-powered vehicles such as fork lift trucks, reach trucks, pedestrian stacker trucks and other warehouse machines.

Ordering code

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

Series	S134-1 S134 single pole
Version	Z0 no lock cylinder Z1 lockable version Z2 complete with lock plate and lock cylinder 51
Aux. contacts, number and type	H00 no auxiliary contact H01 version for aux. contact assembly HK-S134-L1 H11 aux. contact assembly S840 H21 aux. contact assembly S826
Main terminals	M8 screw-type M8 M10 screw-type M10
Housing sizes	L1 standard L2 short housing

Accessories:

Aux. contact assembly S826	HK-S134-L1*
Lock cylinder 51	ZHS 4A251**
Lock plate	ZP-S13x**

Special variant

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 only possible with version for auxiliary contact assembly, e.g. S134-1-Z0-H01-M8-L1.

** Retrofitting only possible with lockable version, e.g. S134-1-Z1-H00-M8-L1. With it, you can order lock cylinder 51 (ZHS 4A251) and lock plate (ZP-S13x) as accessories at any time later.

Circuit diagram

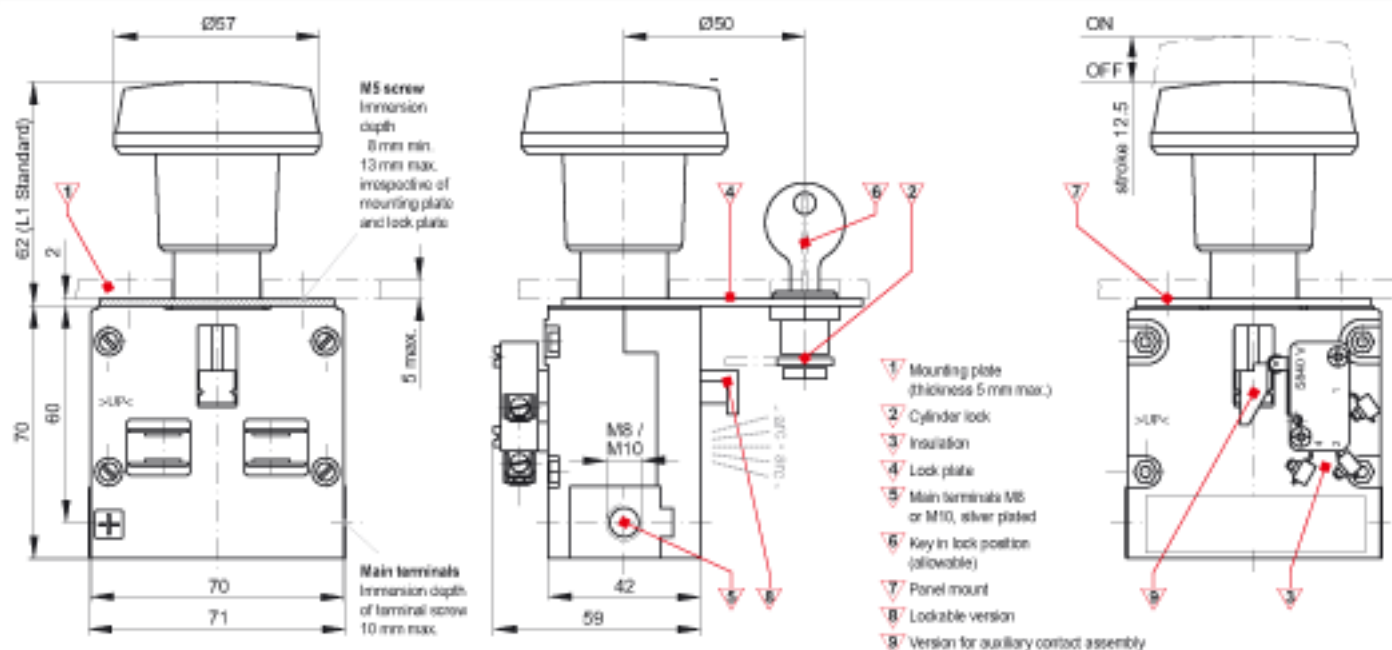


Specifications

S134-1 Series	
Conventional thermal current I_n	250 A
Inrush current	1,500 A
Rated operating current I_o	24 V DC, L/R=15 ms, 300 A 80 V DC, L/R=15 ms, 250 A
Maximum breaking capacity	24 V DC, L/R=15 ms, 1,200 A 80 V DC, L/R=15 ms, 1,000 A
Rated insulation voltage U_i	160 V
Rated impulse withstand voltage U_{imp}	4 kV at PD3
Mechanical endurance	30,000 operating cycles
Degree of protection (IEC 60529)	IP00
Mounting position	any
Main terminals	Bolts for M10 screws
Auxiliary contact, snap-action switch	S840 r, SPDT, $I_{th} = 6$ A S826, SPDT, $I_{th} = 10$ A

SCHALTBAU

Dimension diagrams



Accessories, Mounting

Lock plate with lock cylinder 51



Note:

Retrofitting only possible with lockable version, e.g. S134-1-21-H00-M8-L1, refer to ordering code.

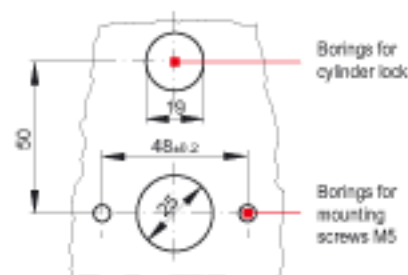
Aux. contact assembly HK-S134-L1



Note:

Retrofitting only possible with version for auxiliary contact assembly, e.g. S134-1-20-H01-M8-L1, refer to ordering code.

Cutout



Tightening torque:

- Main terminals (5): M8 / M10: 12 Nm max.
- Panel mounting (7): M5: 3 Nm max.



Schaltbau GmbH manufactures in compliance with RoHS.



Schaltbau GmbH has an environment management system that has been certified since 2002.



Schaltbau GmbH has a quality management system that has been certified since 1994.

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
- Enabling switches
- 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 stop 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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with compliments: