

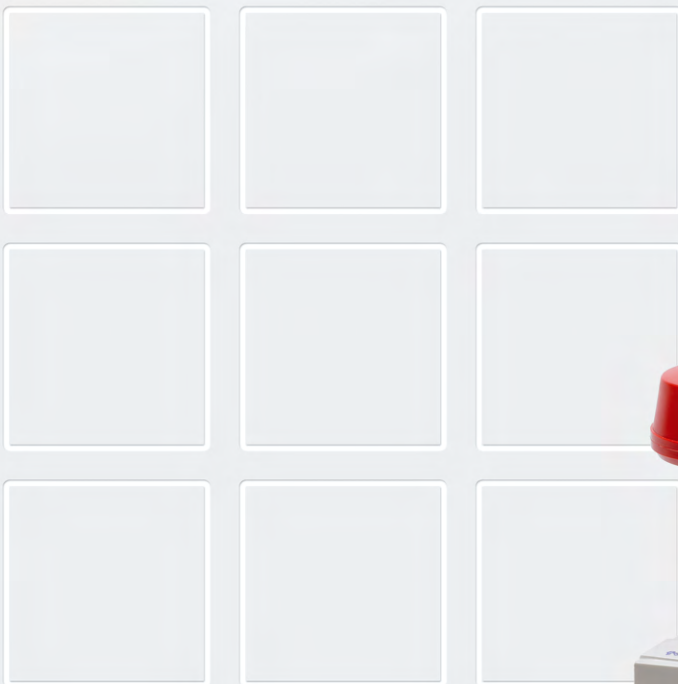
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Contactors

S134 series

**1 pole emergency
disconnect switches**

Catalogue B124.en



More information
schaltbau.com

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 rupte-

red 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

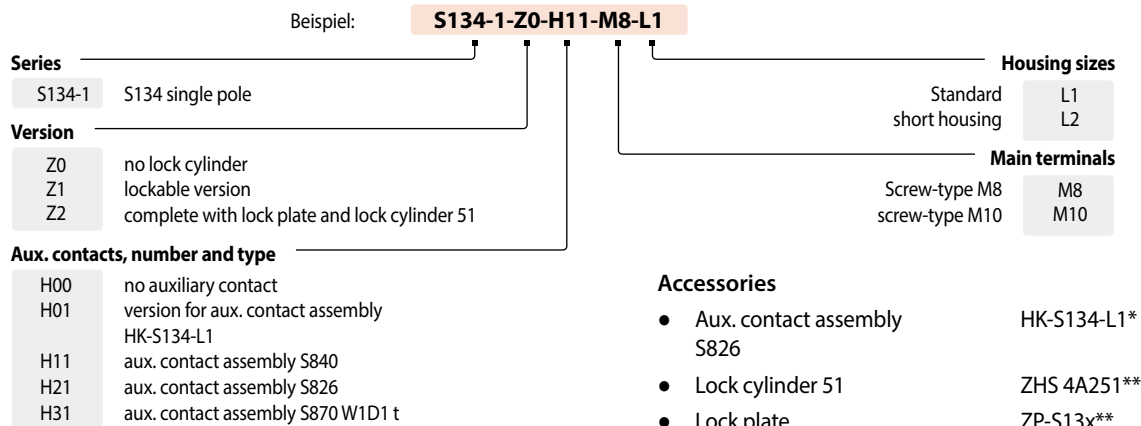
-  Single pole emergency disconnect switch with snap mechanism
-  Magnetic blowout
-  Two definite maintained positions (ON/OFF)
-  Auxiliary contact available
-  Optional lockable version


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



 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..

 * 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

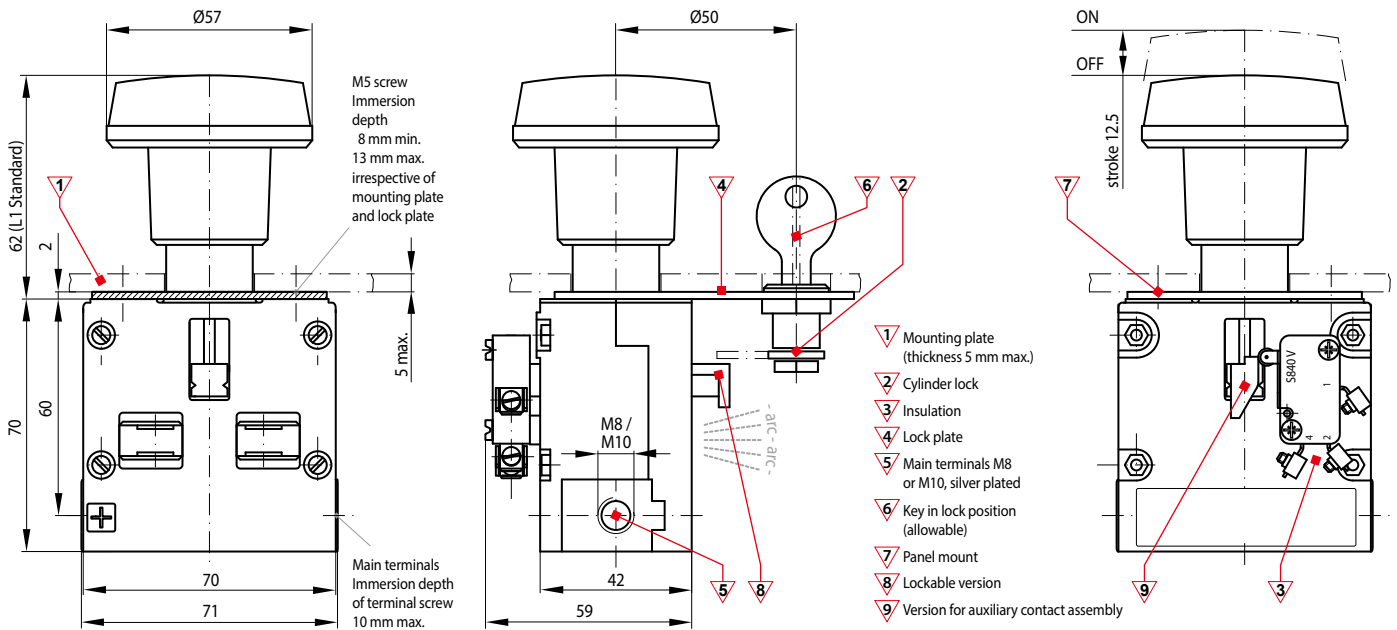


Specifications

Series		S134
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}	250 A
Permissible inrush current		1,500 A
Rated operational current I_e	24 V DC, L/R=15 ms	300 A
	80 V DC, L/R=15 ms	250 A
Breaking capacity	24 V DC, L/R=15 ms	1,200 A
	80 V DC, L/R=15 ms	1,000 A
Auxiliary contact		
	Snap-action switch S840	SPDT, $I_{th} = 6$ A
	Snap-action switch S826	SPDT, $I_{th} = 10$ A
	Snap-action switch S870	SPDT, $I_{th} = 10$ A
Mechanical endurance		30,000 operations
Mounting position		horizontal, vertical
Terminals, tightening torque		Screws M8, 6 Nm max. / M10, 12 Nm max.
Temperature range		-25 °C ... +50 °C



Dimension diagrams

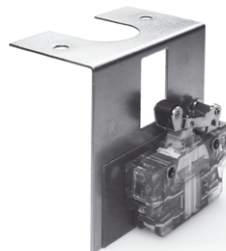


Accessories

Lock plate with lock cylinder 51

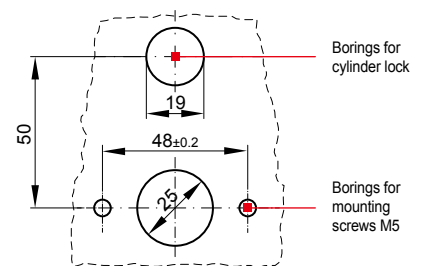


Aux. contact assembly HK-S134-L1



Mounting

Cutout



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

i Retrofitting only possible with version for auxiliary contact assembly, e.g. S134-1-Z0-H01-M8-L1, refer to ordering code.

i Tightening torque:
 • Main terminals (5): 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 counterhold, into which a pin with Ø 3 mm is inserted.

Schaltbau GmbH

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with compliments:



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



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



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