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Safety Limit Switch SLS to the CBD - CBDSLS
Data sheet

Safety Limit Switch SLS to the CBD

LINAK has designed an SLS cable, which is to be used with a safety limit switch or a safety rail for systems with a DESKLINE® control box. The SLS function prevents unintentional positioning of various applications. When activating the SLS switch, the actuator/column connected to the SLS will stop immediately and drive back. Can be used for normally open and normally closed switches.

Features:
- Compatible with DESKLINE® control boxes
- Cable with black plastic housing
- Small dimensions for easy installation
- Colour: black only

Connection:

Use:

The CBDSLS001 can be used for all systems with a CBD.

When the safety switch is activated, the system will stop and drive 40 mm (or for 4 sec) in the opposite direction. Therefore if you have a leg/an actuator that is running slowly, it will be the time limit that determines the return travel distance.

The return distance will never be longer than the travel the system has made before the activation of the safety switch. E.g. If the system is running 25 mm and the safety switch is activated it will drive 25 mm in the opposite direction.

The safety switch will activate as described above in both directions. This can be changed with the configurator if you only want it to work in one direction.

You can mount up to 4 safety limit switches on a CBD. The switches will only be active on the reference they are connected to and only if this reference is running.
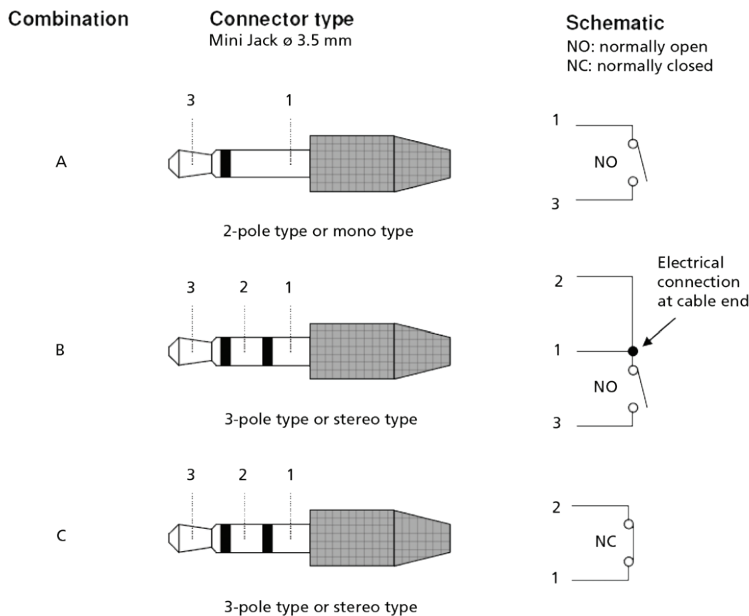
Normally open / Normally closed:

Figure 1: Combinations and corresponding schematic and functionality for the SLS

Combination A

Combination A is using a mono type connector equal to existing part 0567009 with a 2-wire cable and a normally open type safety switch. SLS is active when pushing the switch. New feature is when removing the connector the system can not be activated. Combination A is similar to existing functionality in SLS 0617505 except for the added safety when removing the connector.
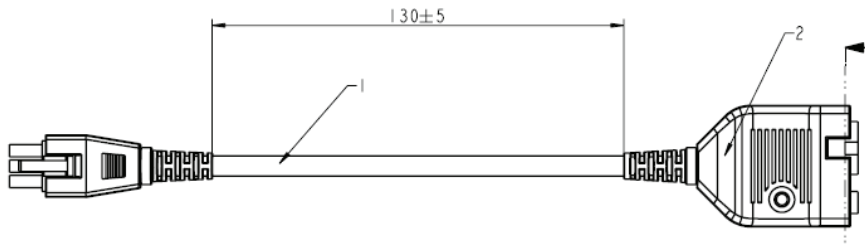
Combination B

Combination B is using a stereo type connector (0567010) with a 3-wire cable and a normally open type switch. SLS is active when pushing the switch. A new feature is that removal of the connector or a broken cable will stop the system. Combination B is similar to existing functionality in SLS 0617505, except the added safety when removing the connector or a broken cable. Note: it is important to connect pin 1 and 2 at the cable end, at the switch and not at the connector for enable security against a broken cable.
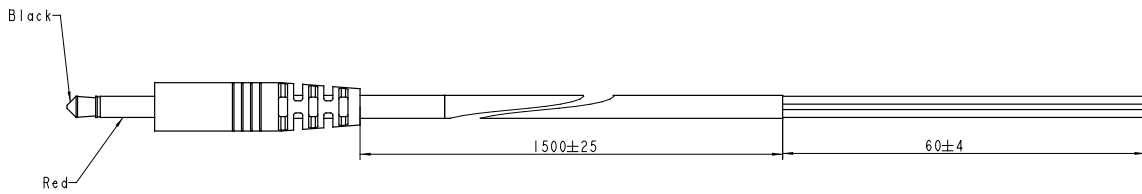
Combination C

Combination C is using a stereo type connector with a 2-wire cable and a normally closed type as switch. SLS is active when pushing the security switch. New feature is the possibility for using a normally closed type of switch and the security against removing the connector or a broken cable.
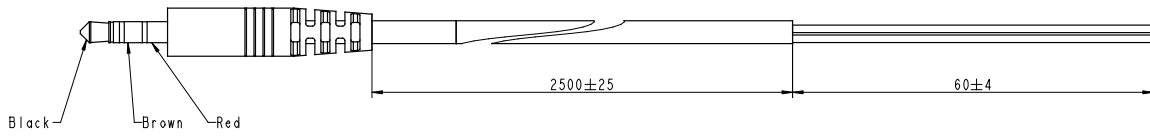
Dimensions:

CBDSLS001

130±5

1

2

Connector cable to SLS with mini jack-mono

Black

Red

1500±25

60±4

Ordering no.:0567009

Connector cable to SLS with mini jack-stereo

Black

Brown

Red

2500±25

60±4

Ordering no.:0567010

SLS Ordering Number: CBDSLS001