

SD SERIES - SPECIFICATION DATA SHEET 2.4



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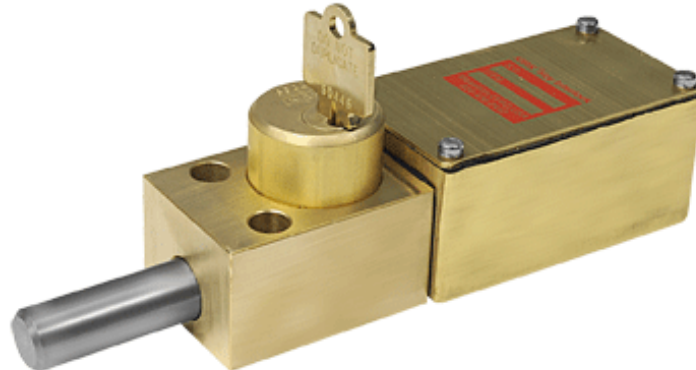
Luft Brasil Ind. Com. Ltda

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Type S Auxiliary Switches



Type S auxiliary switches are slow-make, slow-break devices that respond directly to the movement of the lock bolt when the key is rotated. One, two, three or four sets of contacts are available. The Type S auxiliary switches can be furnished on the following interlocks:

- Type F (see SD Series Data Sheet 1.1)
- Type B (see SD Series Data Sheet 1.2)
- Type T (see SD Series Data Sheet 1.3)
- Type D (see SD Series Data Sheet 1.4)

Primary uses:

- Disconnect switches in control circuits.
- Indicate key/lock status to SCADA and other monitoring systems.

See Table 1 (page 3) for current ratings.

When ordering the S Switch option, please put the appropriate number in column four of the interlock part number:

- "3" = Type S = 1 set of contacts
- "4" = Type SS = 2 sets of contacts
- "5" = Type SSS = 3 sets of contacts
- "6" = Type SSSS = 4 sets of contacts

Reference the Interlock Ordering Guide and Table 2 (page 3).

The switch is normally mounted with the cover on the same side as the lock cylinder. If necessary, the switch can be mounted so that the switch cover is facing backwards (or "Reversed"), allowing access to the switch for an interlock that is mounted on the back of a panel. To order the "Reverse Switch Housing" option, put the letter "R" in column 15 of the part number. Reference the SD Series Ordering Guide. Unless specified, the switch housing will be mounted in the normal arrangement.

Note: Auxiliary switches cannot be field installed on existing KIRK® interlocks.

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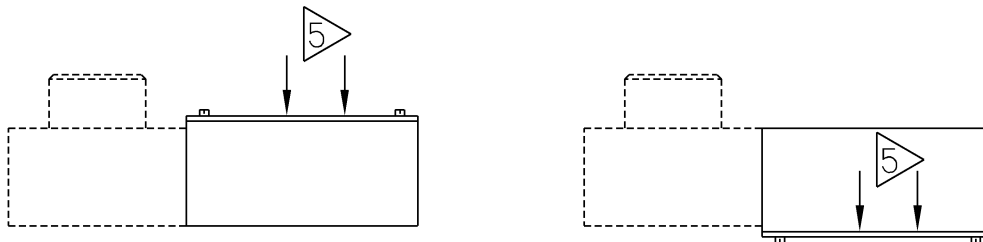
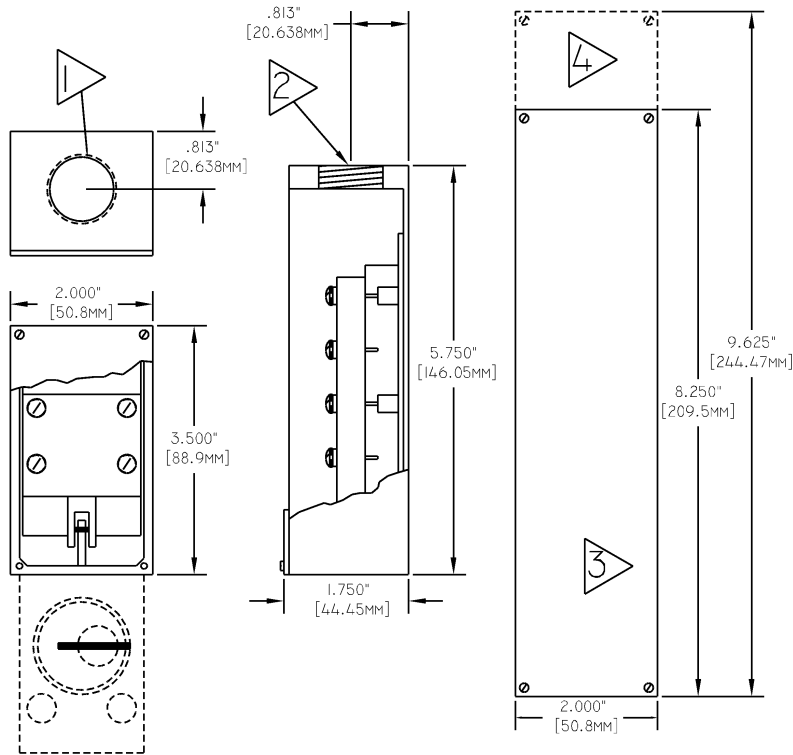
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Type S Auxiliary Switches



NOTES:

- 1) 3/4" Conduit opening on S Switch.
- 2) 1" Conduit opening on SS, SSS & SSSS Switch.
- 3) SSS Switch front view – 3 make & 3 break contacts.
- 4) SSSS Switch front view – 4 make & 4 break contacts.
- 5) Cover. Left drawing shows normal Type S switch mounting. Right drawing shows reverse Type S switch mounting.

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Type S Auxiliary Switches

S SWITCH MAXIMUM CONTACT RATINGS

AC RATINGS

VOLTAGE	MAKE	BREAK	CONTINUOUS
120 VAC	15A	10A	50A
240 VAC	12A	9A	50A
480 VAC	8A	5A	50A

DC RATINGS

VOLTAGE	MAKE	BREAK	CONTINUOUS
48 VDC	3.2A	3.2A	50A
125 VDC	2.5A	2.5A	50A
250 VDC	1.0A	1.0A	50A

WITHSTAND VOLTAGE IS 2500 VOLTS (LINE TO GROUND)
SINCE THE CONTACT MOVEMENT IS DIRECTLY CONTROLLED BY
ROTATION OF THE KEY, THE CONTACT LIFE (AT HIGH CURRENTS)
WILL BE DEPENDENT UPON HOW QUICKLY AND COMPLETELY
THE CONTACTS ARE CLEARED OR CLOSED.

TYPE OF SWITCH	TYPE S	TYPE SS	TYPE SSS	TYPE SSSS
NUMBER OF CIRCUITS	2	4	6	8
MAKE CONTACTS	1	2	3	4
BREAK CONTACTS	1	2	3	4
CONDUIT OPENING	3/4"	1"	1"	1"
LENGTH OF SWITCH HOUSING	3-1/2"	5-3/4"	8-1/4"	9-5/8"

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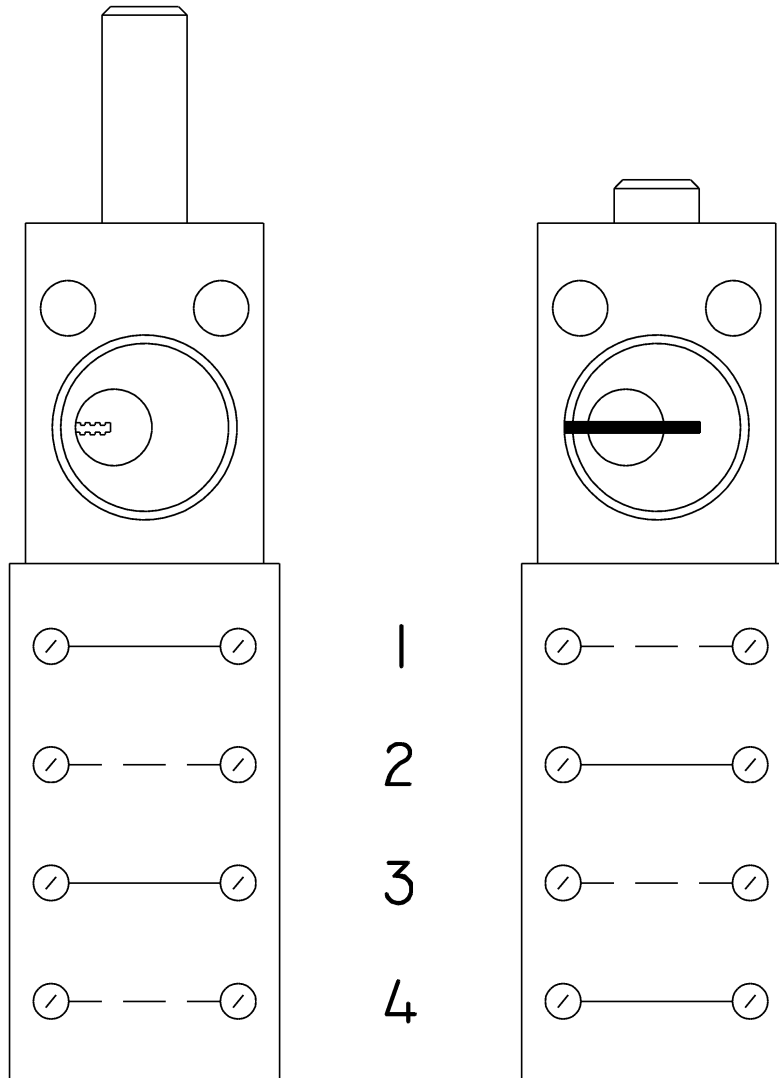
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Type S Auxiliary Switches



NOTES:

The drawing on the left shows a Type F interlock with a Type SS switch. The locking bolt is in the extended position with the key removed. The sets of contacts in position 1 (closest to the lock cylinder) and position 3 are closed. The sets of contacts in positions 2 and 4 are open.

The drawing on the right shows a Type F interlock with a Type SS switch. The locking bolt is in the withdrawn position and the key is trapped. The sets of contacts in positions 2 and 4 are now closed, while the sets of contacts in positions 1 and 3 are now open.