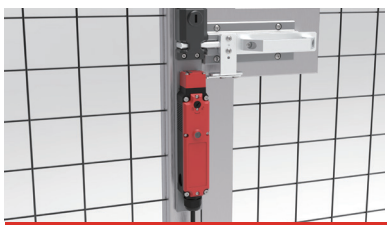
SLAS-D Series

Electromagnetic Lock Safety Door Switch

CE

- Full range of gold-plated contacts, suitable for standard loads and micro loads
- Up to 3 sets of contact structures, optional 2NC+1NO or 3NC
- NC contacts are direct disconnection contacts
- 8 ways to insert the operating key can be adjusted to meet different installation positions
- Universal use of operating keys and electromagnetic lock safety door switches
- Original factory comes with PG13.5 cable connector

Application



Official Website

SLD Series

Part number	SLAS-MT□□--D
Applicable standard	IEC/EN60947-5-1/GB14048.5-2017
Protection degree	IP65/IP67(EN60947-5-1Except key operation hole)
Service life	Mechanical:⩾1 million times / Electric:⩾300,000 times
Rated insulation voltage (Ui)	400V
Rated impulse withstand voltage (Uimp)	4KV
Rated open thermal current (Ith)	8A
Usage category	AC-15
Rated operating voltage (Ue)	AC400V
Rated operating current (Ie)	2A
Rated limited short circuit current	1000 A
Forced disengagement force	⩾60 N
Forced disengagement distance	⩾10mm
operating frequency	Max. 20 operations/min
Ambient temperature	-20°C-60°C No icing
Ambient humidity	⩽85 %RH

1.The above values are initial values.

2.The switch contacts are designed for both standard and micro-load applications, but contacts intended for a specific load must not be used to connect another load with a smaller capacity.

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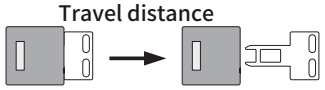
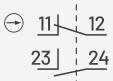
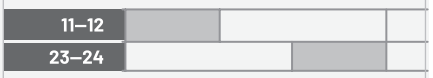
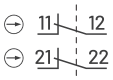
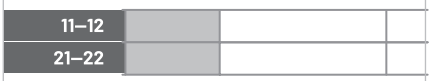
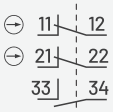
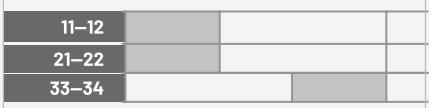
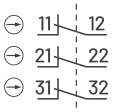
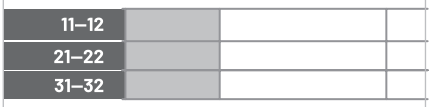
Contact composition/action characteristics

Wiring diagram shows the operation key inserted and locked

Part number	Contact type	Wiring diagram	Contact action
			Travel distance  Operation key fully inserted — Operation key fully removed
SLAS-MT1R-D	1NO+1NC		
SLAS-MT2B-D	2NC		
SLAS-MT2R-D	2NC+1NO		
SLAS-MT3B-D	3NC		

SLB-D
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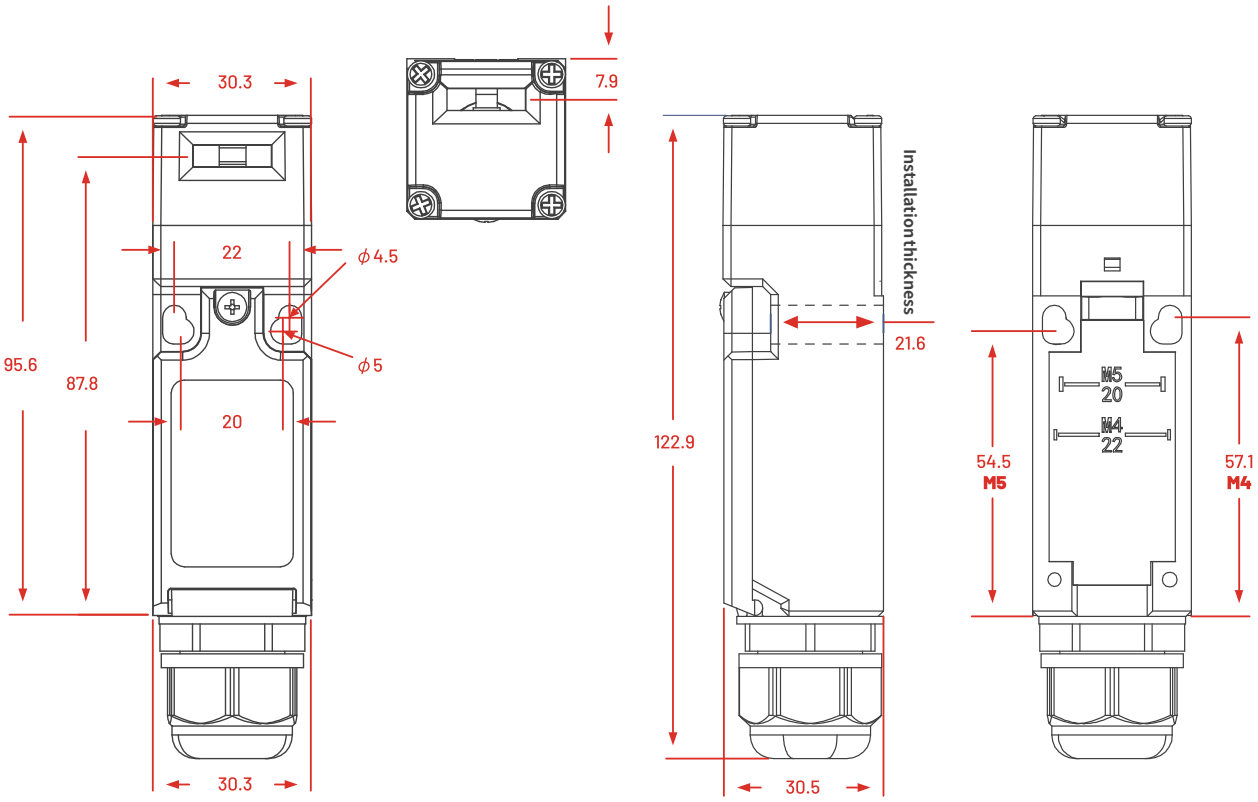
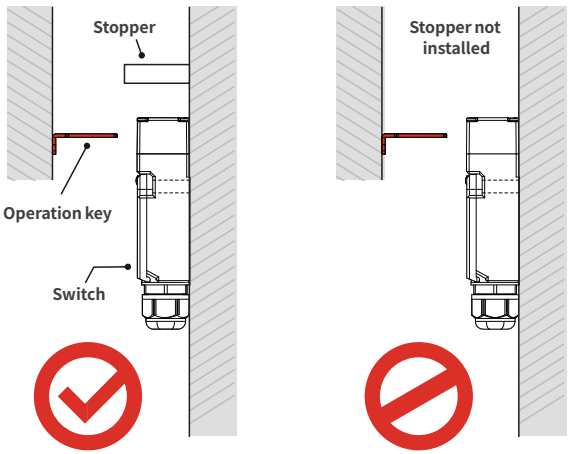
SLAS-D Series Installation Dimensions-Standard type

Units of Measurement | mm



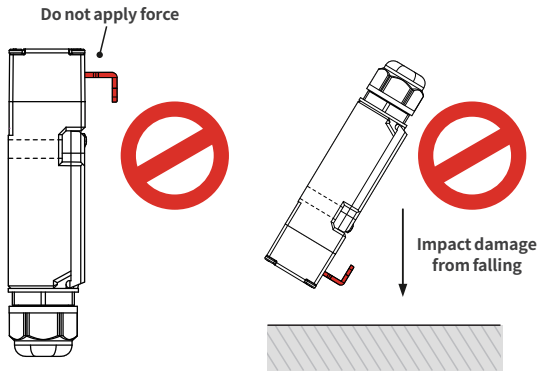
Safety Highlights

- Operator Key Positioning: Ensure the operator key is installed in a position where it will not come into contact with a person when the door is open, to prevent the risk of personal injury.
- Switch Body Misuse Prevention: Do not use the switch body as a stop element. As shown, always set a stop element to avoid collisions between the edge of the operator key and the head of the switch.



Usage Precautions

- Original Operating Key Required: The safety door switch must be operated using the original manufacturer's dedicated operating key. To ensure the safety of the equipment, do not use any tools other than the original operating key to operate the switch.
- Proper Installation of Operating Key: When the operating key is installed on the switch body, do not apply heavy loads or drop objects onto the front end of the operating key, as this may cause the switch to deform or break, directly affecting the safety of use.



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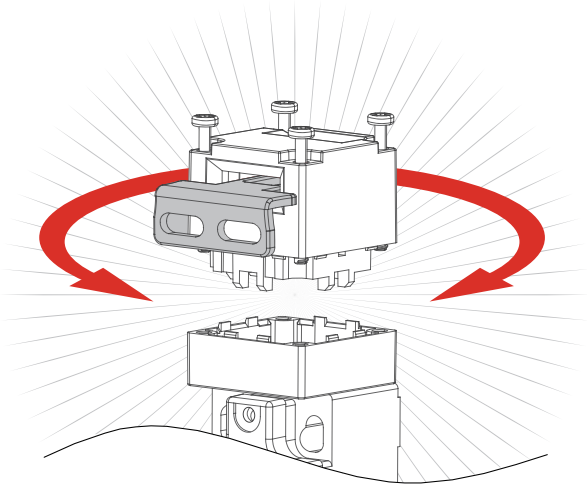
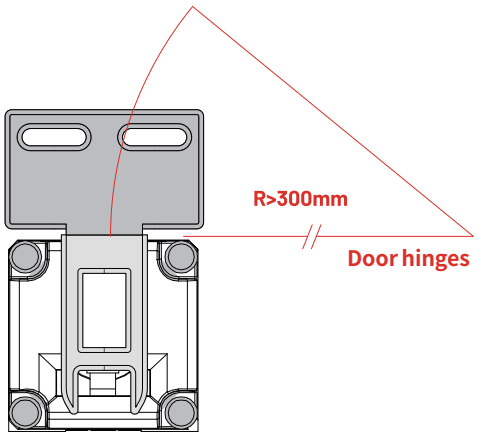
Installation type

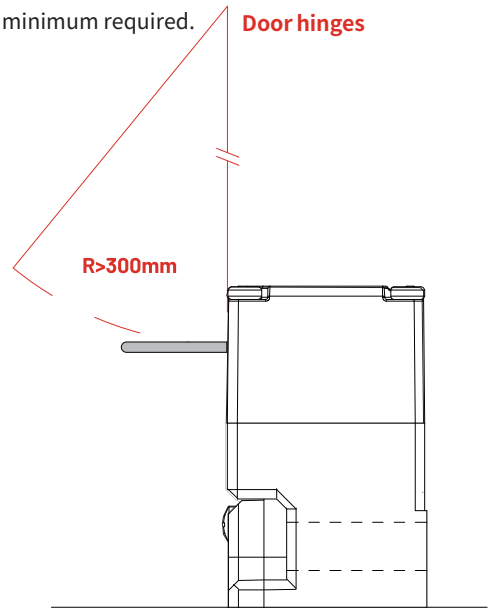
Installation Precautions

❶ First,please insert the operating key into the head operation hole. Then, loosen the 4 screws at the top of the head. Finally, rotate the head to select the appropriate operating key hole for installation.

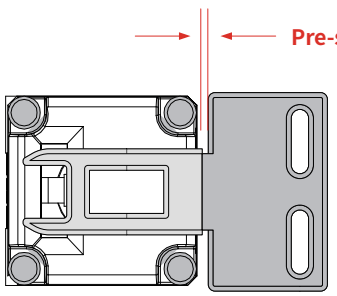


❷ When installing on a swinging door, the radius must be larger than the minimum required.





❸ Please install the switch and operating key within the pre-set position range of 1 to 2.5mm.



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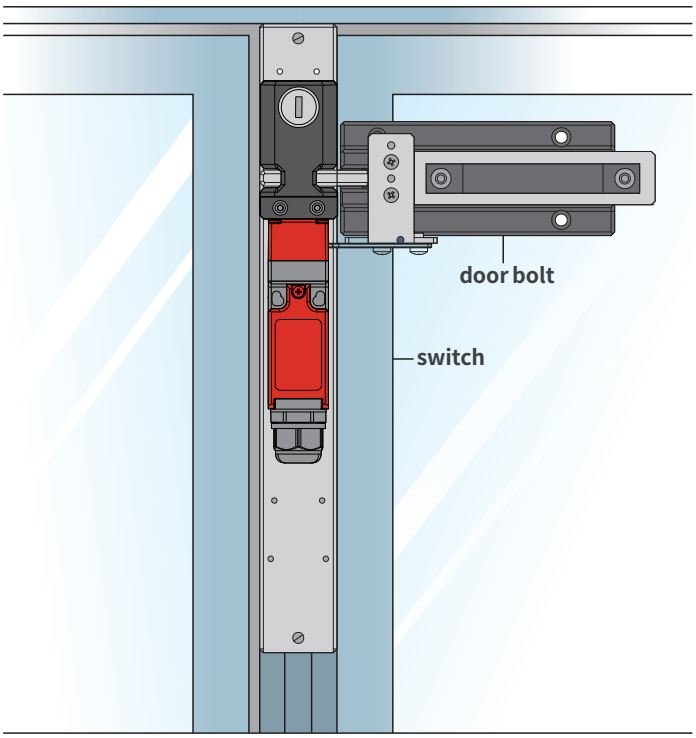
Cautionary Notes for Door Fixation

❗ Exceeding Set Range: When the door is closed (with the operating key inserted), factors such as the door's own weight, mechanical vibration, or cushioning rubber may cause the door (operating key) to exceed the set range. If the door is opened in this state, it may result in premature damage.

❗ Removing the Operating Key: If the operating key is under a heavy load, it may be impossible to remove it. Do not use the switch directly as a door locking element. Instead, secure the door within the switch's locking range (set area) using a door bolt or similar device.



Usage Environment

❶ These switches are designed for indoor use, and using them outdoors may cause switch malfunctions.

❷ Do Not Use In:

- Locations with extreme temperature fluctuations.
- Places with high humidity that may lead to condensation.
- Areas with intense vibrations.
- Environments with solvents such as thinners or detergents.
- Areas where the inner side of the protective door may be contaminated with powder, machining debris, oil, or chemicals.
- Environments containing explosive or flammable gases.

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