

Opening a New Era of Safety

Safety Door Switches

SFD Series

The SFD series safety door switches can detect opening and closing of doors in machines. The head can be rotated to change the insert direction of the operation key from 5 directions, with 6 available operation key types. Also, the door switches are available in terminal type and connector type models, making it easier for installation in diverse application settings.

Safety Standards

IEC/EN 60947-5-1
EN ISO 14119
GB/T 14048.5

Certifications



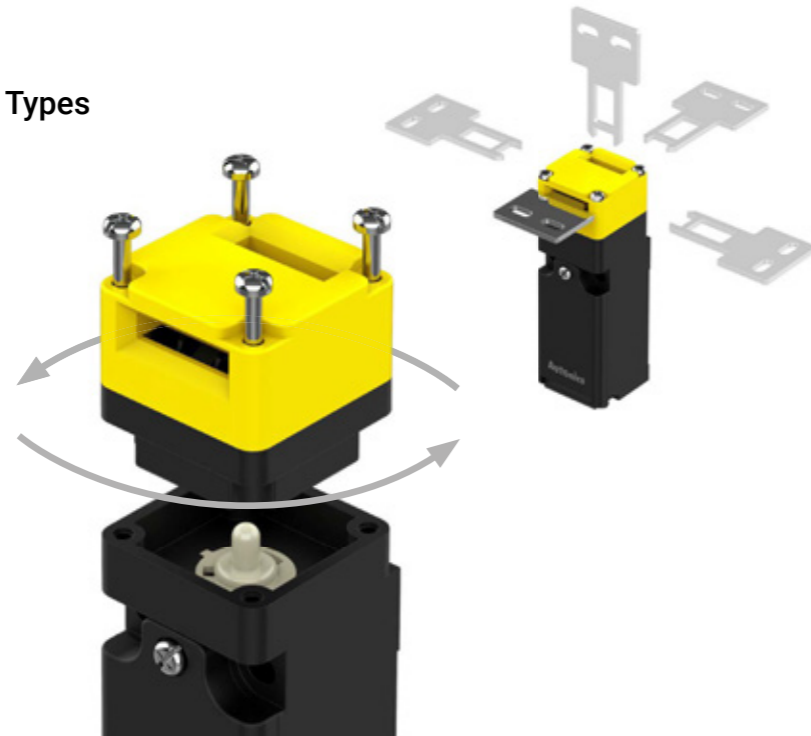
Various Models Available for Flexible Installation

The SFD series door switches are available in terminal type and connector types for easy application and installation in diverse environments.

1. Head Rotation & 6 Operation Key Types

The SFD series offers diverse installation methods for flexible installation. The head can be rotated to change the insert direction of operation keys.

6 Operation Key Types



2. Two Model Types

Connector type and terminal type models are available for application in various environments. Both types can be detached easily from the body, for easier installation and maintenance.



Connector Type



Terminal Type

Slim and Compact Size

The door switches are slim and compact in size (H 92 x D 30 mm), allowing installation in tight or limited spaces.



Switches with up to 3 Contacts

2-contact or 3-contact switches are built in, with 4 types of contact configurations for easier application in any environment.

Model	Contact	Contact composition	Contact operation
SFD-□AB-□□	1 N.C.,	⊖ 11 — 12	Operation key complete insertion: 11-12 (ON), 33-34 (OFF)
	1 N.O.	33 — 34	Operation key extraction: 11-12 (OFF), 33-34 (ON)
SFD-□2B-□□	2 N.C.	⊖ 11 — 12 31 — 32	Operation key complete insertion: 11-12 (ON), 31-32 (OFF)
	2 N.C., 1 N.O.	⊖ 11 — 12 ⊖ 21 — 22 33 — 34	Operation key complete insertion: 11-12 (ON), 21-22 (OFF), 33-34 (ON)
SFD-□3B-□□	N.C. 3	⊖ 11 — 12	Operation key complete insertion: 11-12 (ON), 21-22 (OFF), 31-32 (OFF)
		⊖ 21 — 22	Operation key complete insertion: 11-12 (OFF), 21-22 (ON), 31-32 (OFF)
		⊖ 31 — 32	Operation key complete insertion: 11-12 (OFF), 21-22 (OFF), 31-32 (ON)

* Contact composition represents the locked status with the operation key inserted. (■ ON, □ OFF)



Side type (SFD-LT)



Upper type (SFD-LT2)

* Sold separately :

Group lock device, connecting cable

Group lock device is an accessory for safety door and door lock switches, to prevent actuator operation from unauthorized access by physically blocking switch insertion area.

