IDEC

Think Automation and beyond...

Interlock Switches with Solenoid
HS1T 2-Contact/4-Contact

Supporting safety for advancing technology

Slim interlock switches with 5000N locking force

IDEC CORPORATION

Interlock switches with 5000N locking force

Locking force of more than 5000N (40mm-wide slim model)

Smallest size in the industy (*1)
Greatly downsized from IDEC's HS1L interlock switches.

*1) Based on IDEC research (as of March, 2019)

Downsized

Volume

Approx. **70**% less

All dimensions in mm.

Conventional (HS1L): Volume 715 cm³
Locking force 3000N

HS1T: Volume 229 cm³
Locking force 5000N

The head can be rotated to allow the actuator entry direction to be changed easily

- Head rotating structure. Can be roated without removing the head.
- Prevents invalid operation. (On usual interlock switches, the NC contact closes when the head is removed)

HS1T

Change orientation of the head in 3 easy steps

① Turn the flathead screwdriver in the direction shown above until the head stopper screw stops and is lifted up.

② Rotate the head to the desired position.

③ Align the △ marks indicated on the head and body and tighten the head stopper screw.

Conventional IDEC interlock switches (HS5L)

Many screws ...

① Loosen the four screws using a cross point screwdriver.

② Remove the head.

③ Attach to the desired position.

④ Tighten the four screws.

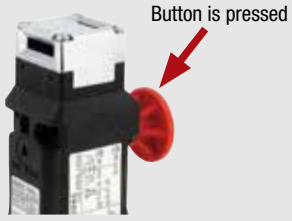
Lock status can be identified from the front – Rear unlock mechanical indicator (First in the industry) (*1)

Mechanical indicator function allows the lock status to be easily identified from the front while the rear unlock mechanical indicator is pressed.

Note: Interlock switches with rear unlock mechanical indicator function only.

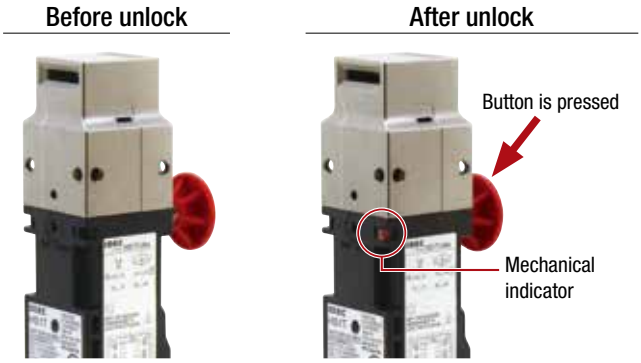
*1) Based on IDEC research (as of March, 2019).

Conventional (HS5L)



In conventional models, because the lock status cannot be identified from the front, the system cannot be restarted when the safety circuit is on. Therefore, it is necessary to find out which safety circuit is on.

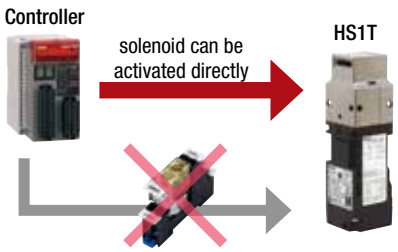
If HS1T is used



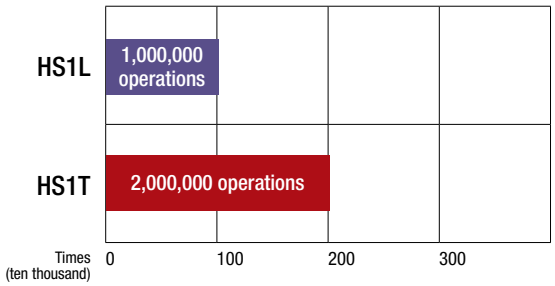
The lock status can be easily identified from the front even when the lock is released.

Energy efficient 200mA solenoid consumption

Because the solenoid current for locking operation is 200mA, the solenoid can be activated without using a relay.

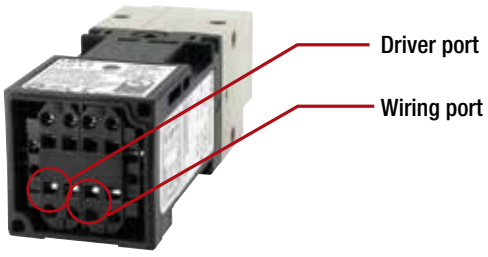


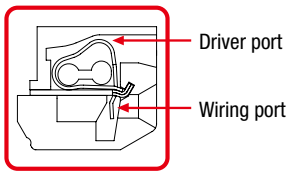
Mechanical durability improved to 2,000,000 operations



Spring clamp terminals

Spring clamp terminals offer excellent vibration resistance, preventing wires from loosening. No need for additional tightening.





Side-conduit model

Cables can be connected to the right, left, or bottom (for straight cable orientation) of the terminal cover. Long marking tubes can be used on the wiring cables.