

*Using breakthrough technology,  
we aim for products that will create new markets.*

## New Product News

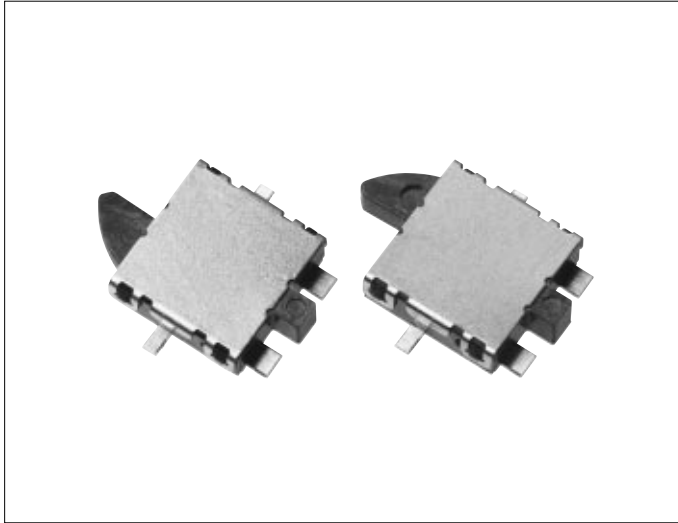
Wide range of products

Switches

2HL Detector Switches

Industry/Field: Information Communications, AV

### Detector switch having a higher mounting strength and a lower profile



• **Development Target:**

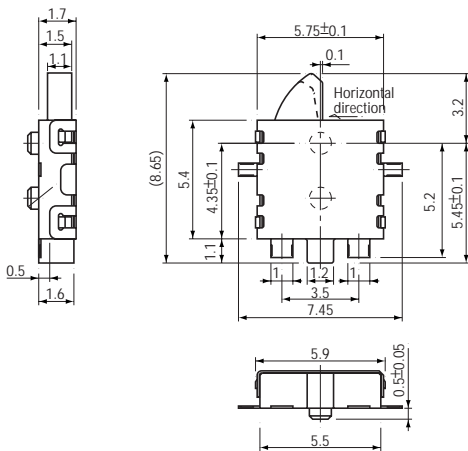
Developed a switch for detecting media and mechanisms, which has a higher mounting strength, a lower-profile body, and higher contact reliability than our conventional model.

• **Features:**

- ① Increased the mounting strength.  
Mounting strength: 80 N
- ② Decreased the profile of the switch body.  
Height: 1.7 mm
- ③ Increased the contact reliability and lifespan.  
Lifespan: 100,000 operations or more

• **Number of industrial property rights: 2(Pending)**

• **Construction:**



• **Characteristics/specifications:**

Item	Specifications
Rating	50 $\mu$ A 3 V dc to 100 mA 5 V dc (Resistive load)
Contact Resistance	500 m $\Omega$ max.
Insulation Resistance	100M $\Omega$ min.(100V dc for 1 minute)
Dielectric Withstanding Voltage	100 V ac for 1 minute
Operating Force (Operating Life)	390 mN max. (100,000 cycles min.)
Travel	2.15 mm
Operating Temperature	-10°C to +70°C

• **Applications/usage examples:**

- Detection of media in car audio systems, CD drives, DVCs, etc., pickup detection, tray open/close detection, etc.

• **Explanation of part numbers:**

