

# SK - Series

Flat Pack Plastic Body

Key Operated Safety Switch



## SK



The SK safety position switch is an industry standard and can be used in virtually any application.

Thanks to design safety features conforming to VDE 0660 T200, IEC 60947-5-1 and the test regulations GS-ET 15, the SK is particularly suitable for personal protection applications. Its versatility is enhanced by the variable actuator head and two actuator openings.

Other decisive advantages include:

- **Different actuating forces:**

Corresponding to your specific application, in addition to the standard 10 N, you can also choose an actuating force of 5, 20 or 30 N.

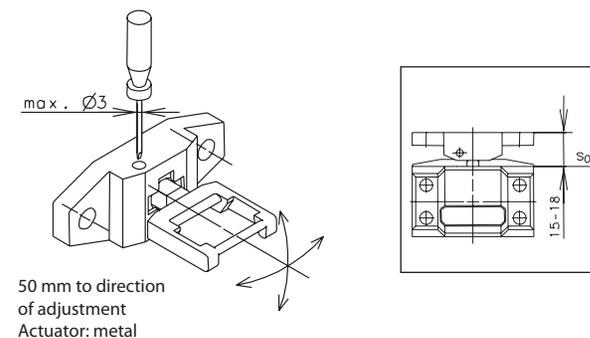
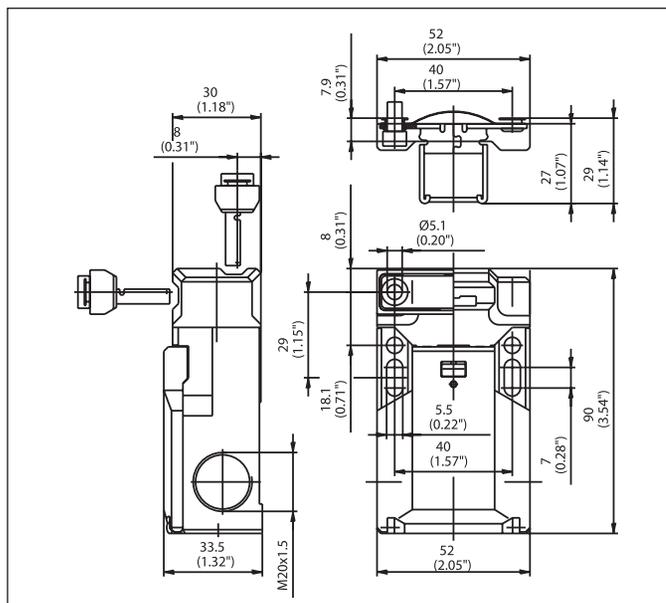
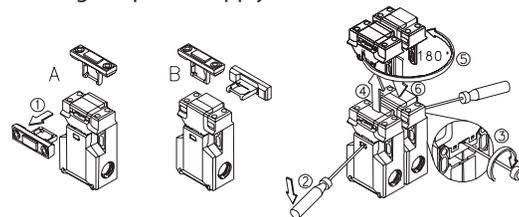
Actuating forces from 30 to 100 N can be realised with the aid of additional components that are mounted on the outside of the switch.

- **Anti-tamper facility:**

The switching system is protected by multiple coding to ensure enhanced safety of your application.

- **Outstanding handling:**

With the two slots you can easily adjust the SK safety switch and lock it in position by means of the two holes accessible from the top or the two holes accessible from the front. The switch can be wired from three different sides. A transparent cover prevents foreign particles from entering the contact space while connecting the power supply cable.



### Technical data

#### Electrical data

Rated insulation voltage (up to) <sup>①</sup>	U <sub>i</sub> max.	400 V AC
Rated operating voltage	U <sub>e</sub> max.	240 V
Conventional thermal current (up to) <sup>①</sup>	I <sub>the</sub>	10 A
Utilization category		AC-15, U <sub>e</sub> / I <sub>e</sub> 240 V / 1.5 A

#### Mechanical data

Switching frequency	≤ 30/min
Mechanical service life	1 x 10 <sup>6</sup> switching cycles
B10d (bis zu) <sup>①</sup>	2 Mill.
Short-circuit protection (up to) <sup>①</sup>	Fuse 10 A gL/gG
Protection class	II, Insulated
Ambient temperature	-30 °C ... + 80 °C
Protection class	IP65 conforming to IEC/EN 60529
Type of connection	Screw connections
Conductor cross sections	Single-wire 0.5 – 1.5 mm <sup>2</sup> or Stranded wire with ferrule 0.5 – 1.5 mm <sup>2</sup>
Enclosure	Thermoplastic, glass fibre-reinforced (UL94-V0)
Cable entry	3 x M20 x 1.5

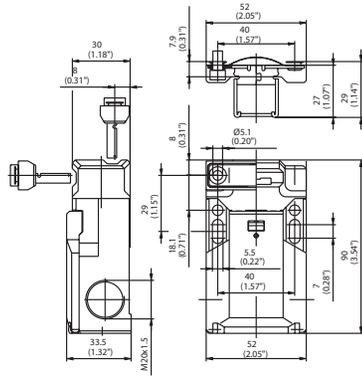
#### Standards

VDE 0660 T100, DIN EN 60947-1, IEC 60947-1  
VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1

<sup>①</sup> Depending on switching system. See Table on Pages 72 – 75.

# SK Safety Switches with Separate Actuator

SK



**Switching operation**    **Standard**    **High actuating force**    **Radius actuation**

**1 NC / 1 NO contact**    **6016119016**    **6116119109**    **6016119084**  
SK-U1Z M    SK-U1Z F30 M    SK-U1Z MRU

**1 NC contacts**

**2 NC contacts**    **6016169036**    **6016169053**    **6016169085**  
SK-A2Z M    SK-A2Z F30 M    SK-A2Z MRU

**2 NC / 1 NO contact  
Overlapping**    **6016169026**    **6016169061**    **6016169086**  
SK-UV15Z M    SK-UV15Z F30 M    SK-UV15Z MRU

**Approvals**



## Special features / variants

(on request)

- 100 N actuating force on request
- Replacement actuator for: Standard  
**3911452116**  
High actuating force    **3911451914**  
Radius actuation    **3911452058**