

KS26B4 SERIE – Low Hysteresis



For machines, operating elements, crane systems



- ➔ Low Hysteresis
- ➔ Adjustable switching point
- ➔ Self-cleaning contacts
- ➔ Connection in one plane

Product description

The microswitch KS25B4 is measured in a very small size. With the adjustment screw you could change to switching point for best result on your application. All Contact have two connectors, so it will be easy if you have to batch several switches.

Technical Data

Precision snap action switch

Common contact
Rest contact, normally closed
Actuating contact, normally open

Technical data
Switching power

Contact material / Contact resistance

Mechanical life time
Switching frequency
Contact chatter time
Actuating speed
Contact break
Contact pressure
Temperature range
Double solder and plug socket connections
Weight

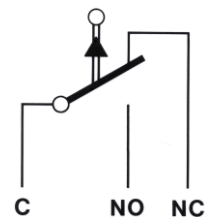
KS26B4

COM (1)
NC (2)
NO (3)

60V AC 1A
15V DC 1A

KS26B4 (Au) <25 mΩ

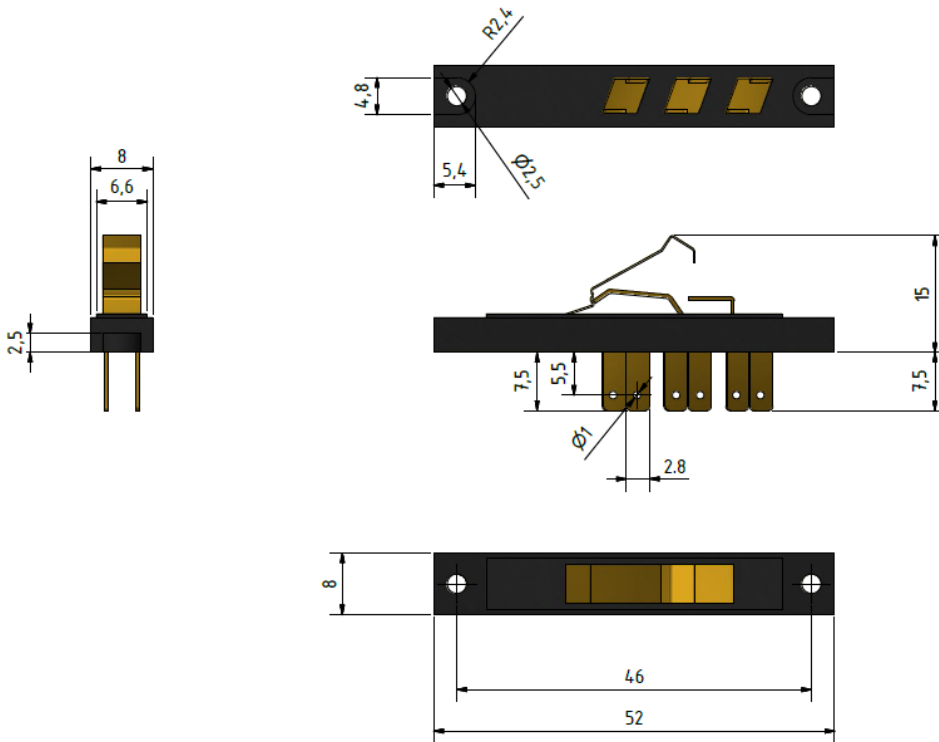
>20 Mill.
5 Hz
<4 ms
>10 μm/s
0,6 mm
0,2 N
-20 +85 °C
2 x 2,8 x 0,5 mm (DIN 46244 A)
ca. 8 g



KS26B4 SERIE – Low Hysteresis



Reference drawing in mm



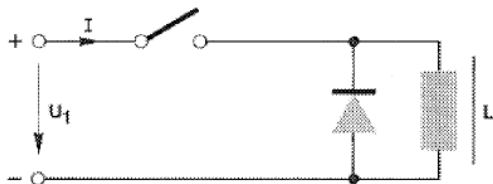
KS26B4 SERIE – Low Hysteresis



Spark quenching with inductive load

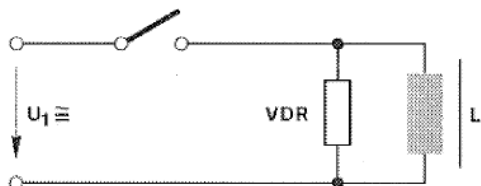
With the circuits proposed the switching current can be increased when switching and inductive load. The maximum switching current is obtained with pure resistive load.

Diode protective circuit for VDC only:



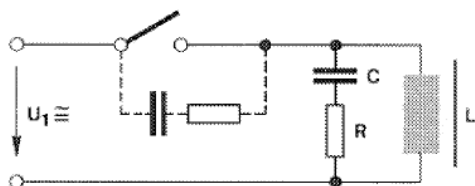
The diodes used must withstand the following loads:
 Fast diode $U_{FRM} \cong 10 \cdot U_1$
 $I_{FRM} \cong 10 \cdot I_L$
 $t_{rr} \cong 500 \text{ ns}$
 U_{FRM} = Periodic peak blocking voltage
 I_{FRM} = Periodic peak forward current
 t_{rr} = Recovery time

Varistor protective circuit for VAC and VDC:



$U_{VDR} \cong 1,4 \cdot U_1$ (alternating current)
 $U_{VDR} \cong U_1$ (direct current)

protective circuit for VAC and VDC:



The following rules of thumb have proved useful in practice:
 $C(\mu F)$ = holding current of coil (A)
 $R(\Omega)$ = resistance of the coil (Ω)

Order Code

Part number	Description
6099.00.042	Microswitch KS26B4 Hysteresis compensated



Do you have any questions ?

Phone: +41 (0)44 843 40 20 or Mail: sales@micronor.ch