SKP1 Data Sheet

Overview

The SKP1 Surface Mounted Key Switch has a white polycarbonate housing and is designed for use as a "passkey switch" for security related applications in alarm and access control systems. The security grading under BS EN 50131-1:2006 is Grade 2 and Environmental Class II.

Principles of Operation and Use

The SKP1 is a two position key switch that provides a simple on / off function, the lock has a 90° index with the key removable in each position. Variants are available with the key trapped in either the on or off positions, with several locks using the same key number or master key suited and a biased or spring return function is also available. The SKP1 should not be used in safety related applications.

Loads

Maximum ratings in the "Specification and Ratings" table are for dc voltage and resistive loads. The key operates a SPCO single pole change over micro switch with a maximum rating of 50Vdc 3 Amps. There is also a N/C tamper switch for connection to 24 hour Anti tamper circuit of an alarm system, the maximum rating for this is 50Vdc 0.5 Amp.
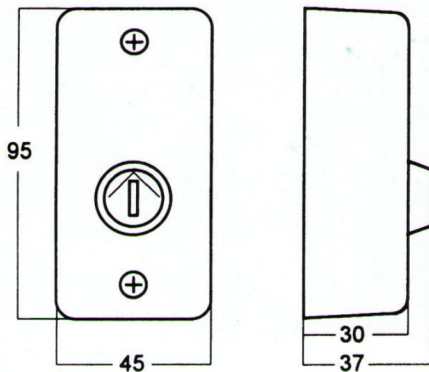
Fitting and Adjustment

When considering fixing positions refer to "Principles of Operation and Use". Remove the two fixing screws and separate the back and front plates. Remove the microswitch from the back plate, mark out and drill the fixing holes and cable entry hole, fix the back plate using the two holes provided ensuring the fixing slot is lowermost. Consideration should be given to the safe routing of the connecting cable which may be either concealed through the back plate or surface mounted in mini trunking. See "Schematic Diagram" for electrical connections; check the contact ratings are not exceeded. Make electrical connections to the microswitch and tamper switch then refit the microswitch onto the pins provided ensuring the cable is clear of the microswitch lever. Refit the front plate and test for correct operation.

Maintenance

To clean, wipe with a damp cloth, do not immerse in water or cleaning fluid. The SKP1 Key Switch should be routinely checked for correct operation.
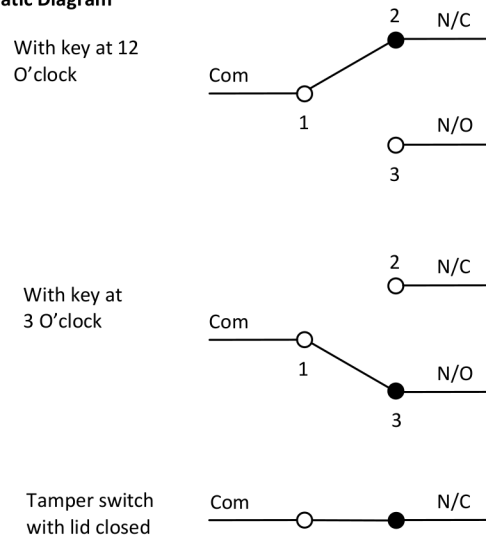
Outline Dimensions in mm

Order Codes

Part Number	Description
SKP1	Surface mounted key switch
SKP1/KA	Surface mounted key switch keyed alike
SKP1/B	Surface mounted key switch spring return, biased
SKP1/MS	Surface mounted key switch master suited
SKP1/KT	Surface mounted key switch key trapped @ 3 O'clock

Specifications and Ratings

Specification	SKP1
Key operated contact form	SPCO single pole change over
Maximum key operated contact ratings	50 Vdc 3 Amps
Connections with the key to the lock in the 12 O'clock position	Terminal 1 = common Terminal 2 = N/C normally closed Terminal 3 = N/O normally open
Tamper switch form	N/C normally closed
Maximum tamper switch ratings	50 Vdc 0.5 Amps
Temperature range	-10 °C to +40 °C
Lock differs	3,000
Keys	3 keys per unit
Dimensions	95 x 45 x 37 mm
Fixing centres	49 mm
Fixings	Use 2 x 4mm countersunk head screws
BS EN 50131-1:2006	Security Grade 2 Environment Class II

Schematic Diagram

With key at 12 O'clock

With key at 3 O'clock

Tamper switch with lid closed