

A

B

C

D

SPECIFICATIONS

FUNCTION:
1P2T ON-ON

RATINGS:
0.5A 50VDC

OPERATING FORCE:
300±100gf

CONTACT RESISTANCE:
Initial: 30mΩ Max.

INSULATION RESISTANCE:
500MΩ Min. at 500VDC

DIELECTRIC STRENGTH:
500VAC For 1 Minute

ELECTRICAL LIFE:
10,000 Cycles

TEMPERATURE:
Operating: -10°C to 60°C

APPROVALS:
RoHS COMPLIANT
LEAD FREE
PROCESS COMPATIBLE

MATERIALS

UPPER BODY:
Nickel Plated Cold Rolled Steel (SPCC-SD)

LOWER BODY:
Phenolic Board (SD-168C), UL94 HB

ACTUATOR:
Polyoxymethylene (POM)
(TYSTRON POM7520), UL94 HB

SPRING:
Steel

CONTACT:
Silver Plated Copper (C1100R)

TERMINALS:
Silver Plated Brass (C2680R)

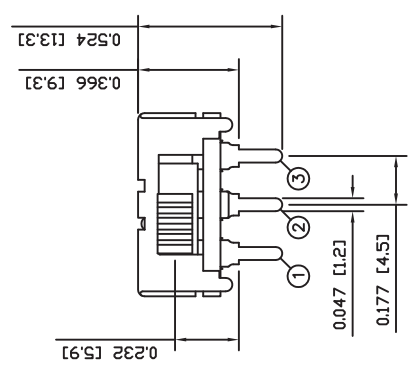
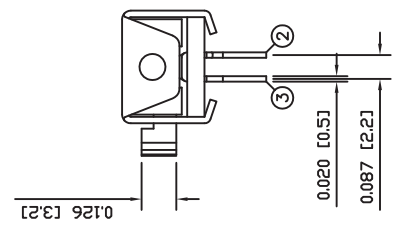
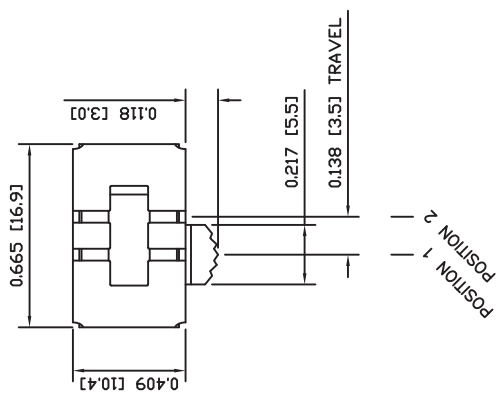
OTHER:
Red Terminal Sealant (AKS881R)

COLORS

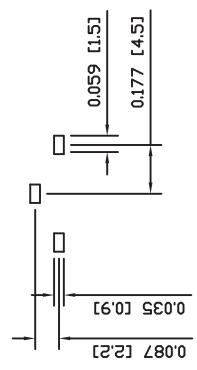
BODY:
Metallic

ACTUATOR:
Black

SCHEMATIC



SUGGESTED PCB LAYOUT



E SWITCH

SK-12G01-G3

INCHES [MILLIMETERS]
GENERAL TOLERANCES
±0.008 [±0.2] / ±1°

SCALE
DRAWING NOT TO SCALE

19014	11/05/05	CAB
18835	10/03/10	CAB
PCB	DATE	DRAWN BY

B	CORRECTED BASE MATERIAL AND CONTACT MATERIAL	19014	11/05/05	CAB
A	INITIAL RELEASE DESCRIPTION	18835	10/03/10	CAB
REV.		PCB	DATE	DRAWN BY

THE INFORMATION CONTAINED IN THIS DOCUMENT IS PROPRIETARY TO E-SWITCH AND IS NOT TO BE COPIED OR TRANSFERRED

03-SK12G01G3	PRODUCTION	8
TEST NUMBER	DATE	REVISION
03-SK12G01G3	MAY 5, 2011	B