KDS Series
Intrusion Switches

Littelfuse® **C&K** Switches

Description

KDS series intrusion switches are used to power intrusion/alarm switches in network desktop PCs, in cellular base stations and in telecommunications equipment. C&K's KDS series are RoHS compliant, available in either N.O. or N.C. configurations and have an easily customizable wire harness length and connector. In addition, these switches are designed to slot mount directly into the chassis, helping to reduce installation costs.

Features & Benefits

- Slot mount into chassis to reduce installation cost
- Wire harness length & connector easily customized
- Available in N.O. or N.C. configuration
- RoHS compliant

Applications

- Intrusion/Alarm switch in network desktop PC
- Intrusion/Alarm switch in telecommunication equipment
- Intrusion/Alarm switch in cellular base station

Specifications

Contact Rating	0.4 VA max. @ 20 VAC or DC
Mechanical/Electrical Life	10,000 actuations min. at full load
Contact Resistance	200 m Ω max. initial @ 2-4 V DC, 100 mA
Insulation Resistance	$10^9\,\Omega$ min.
Operating Temperature	-40°C to 85°C
Travel	KDS11: Travel to make from 1.9 mm to 5.9 mm[1] KDS33: No pre-travel, full travel 0.403″
Dielectric Strength	500 Vrms min. @ sea level
Packaging	Bulk packaging

Materials

Housing/Actuator	Nylon 6/6 (UL 94V-0)
Movable Contact	Copper alloy, gold plate over nickel plate
Fixed Contact	Brass, gold plate over nickel plate
Wire	UL 1061-24 AWG

Notes
1. Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.
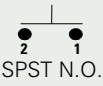
Ordering Number

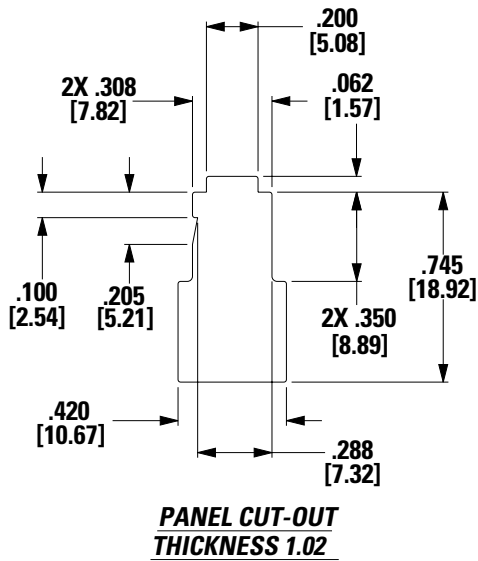Part number list is shown below. For individual part details, please refer to the following pages.

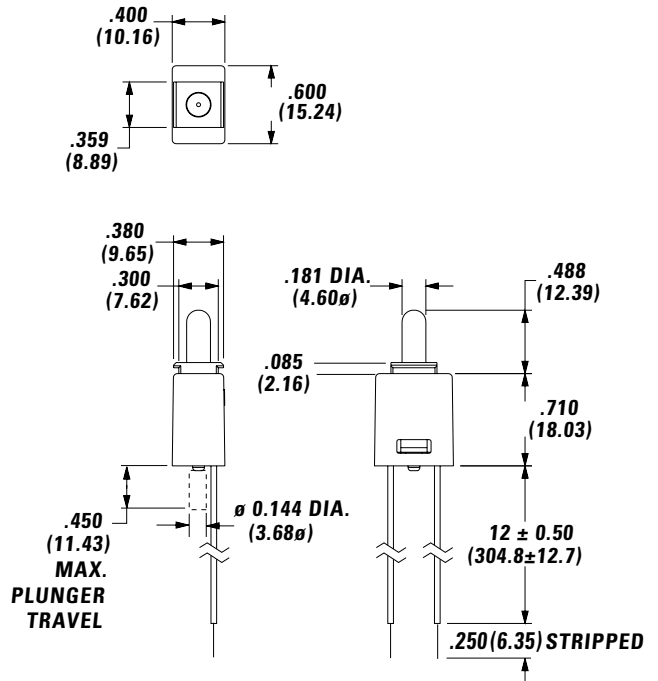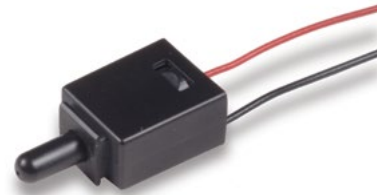| Part Number (Part Description)	Product Details
KDS11	Intrusion switches normally open
KDS33	Intrusion switches normally close

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KDS33

Part Number	Switch Function		Schematic
	POS. 1	POS. 2	
KDS11	OFF	MOM.	**2** **1** SPST N.O.
KDS33	ON	OFF	**2** **1** SPST N.C.

.200 [5.08]

2X .308 [7.82]

.062 [1.57]

.100 [2.54]

.205 [5.21]

.745 [18.92]

2X .350 [8.89]

.420 [10.67]

.288 [7.32]

**PANEL CUT-OUT THICKNESS 1.02**

.400 (10.16)

.600 (15.24)

.359 (8.89)

.380 (9.65)

.300 (7.62)

.181 DIA. (4.60ø)

.488 (12.39)

.085 (2.16)

.710 (18.03)

.450 (11.43) MAX. PLUNGER TRAVEL

ø 0.144 DIA. (3.68ø)

12 ± 0.50 (304.8±12.7)

.250 (6.35) STRIPPED