# Sealed Rocker Switch

## Double Pole

KD Series



### Features

- Snap-in mounting
- RoHS compliant
- 100,000 cycles mechanical life
- IP65
- Lighted and non-lighted versions available

### Standard Parts[1]

| North America | North America and Europe | Europe |
|---|---|---|
| KDH3ALA2RBB | KDH3ANA1BBB<br>KDH3BNA1BBB<br>KDH3CNA1BBB | KDH3AEA2GBB<br>KDH3AEA2RBB |

[1]The part number configuration matrix below provides details to the part numbers above.
For configurable part numbers that are not listed above, not listed in your region, or for custom part numbers, contact the factory or your distributor.

### Part Number Breakdown

KDH3ALA2BBB

KD H 3 A N A

**Series**

| |
|---|
| KD |

**Contact Rating[2]**

| |
|---|
| H |

**Circuitry**

| | |
|---|---|
| 3 | Double pole |

**Switch Function**

| | |
|---|---|
| A | ON-OFF |
| B | ON-ON |
| C | ON-OFF-ON |

**Lighting Options**

| | |
|---|---|
| N | Non-lighted |
| E | 220 VAC neon |
| L | 110 VAC neon |
| C | 28 VDC LED |
| M | 12 VDC LED |

**Terminal Type**

| | |
|---|---|
| A | 4.75 mm (0.187") quick connect |

[2]See Electrical Specifications section

2 B B B

**Actuator Type**

| | |
|---|---|
| 1 | Non-lighted |
| 2 | Lighted |

**Actuator Color[3]**

| | |
|---|---|
| A | Amber |
| B | Black |
| G | Green |
| L | Blue |
| R | Red |

| | |
|---|---|
| B | Black |

**Actuator Marking[3]**

| | |
|---|---|
| B | Blank |
| D | O — |
| G | – = |

[3]Black actuator is only available for non-lighted; others only for lighted. Only non-lighted actuators can be marked.

## Electrical Specifications

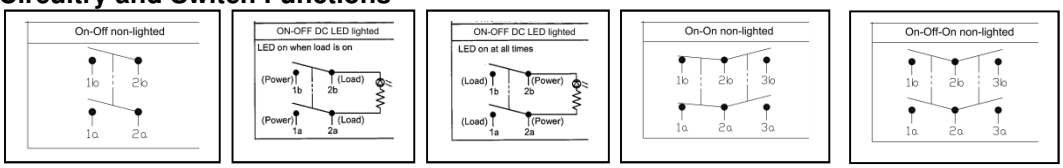
| | |
|---|---|
| Dielectric Strength | 1500 VAC for 1 minute |
| Insulation Resistance | 100 MΩ min at 500 VDC |
| Initial Contact Resistance | 0.050 Ω max |
| Electrical Ratings | |
| UL1054<br>16 A 125 VAC / 10 A 250 VAC | VDC[3]<br>20 A 14 VDC / 10 A 28 VDC |
| Electrical Life at Rated Load<br>Minimum Operations | UL<br>6,000 |

[3]DC ratings not agency approved
UL File No: E23301

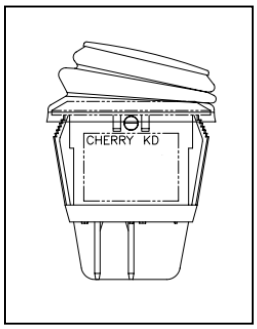
## Material and Environmental Specifications

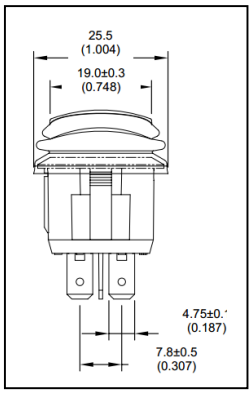
| | |
|---|---|
| Actuator | Polycarbonate 94V-2 |
| Housing | Nylon 66 94V-2 |
| Spring | Steel |
| Contacts | Silver Alloy |
| Movable Arm | Silver-Plated Copper Alloy |
| Terminals | Silver-Plated Copper Alloy |
| Rubber Boot | Silicone |
| Operating Temperature Range | -25 °C to +85 °C (-13 °F to +185 °F) |
| Ingress Protection | IP65 |

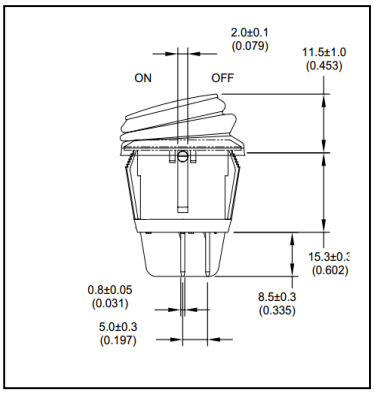
## Circuitry and Switch Functions

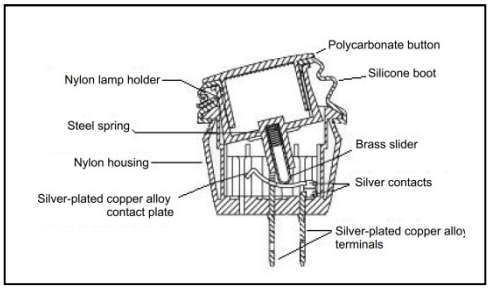


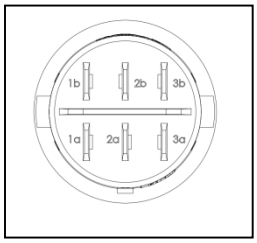

## Dimensions mm (inches)



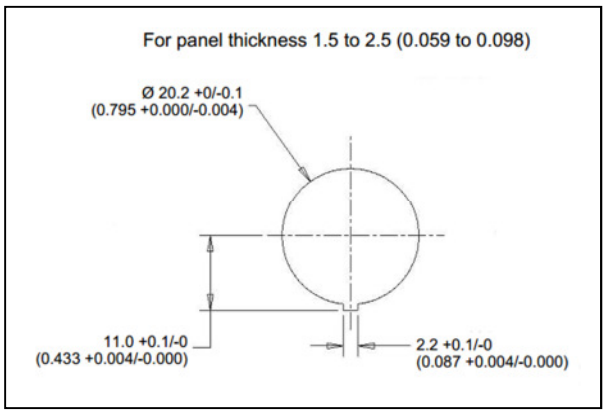



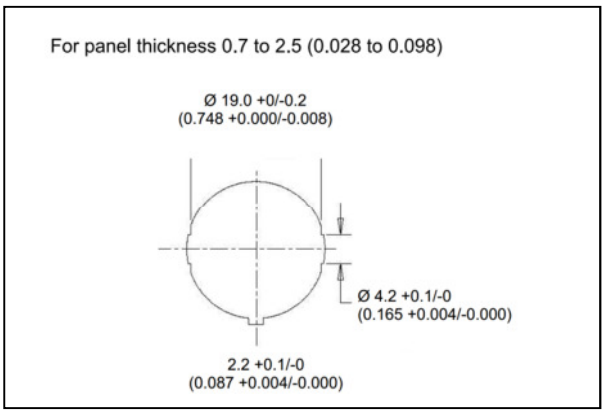




Recommended Panel Cut-out



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## ZF Friedrichshafen:

D4PB-LCB-PK5 DG23-B2RA E7940A GS100502 KDH3ALA2GBB KFB3ALA2RBB WRG32F2FBRLN 0E19-00K0 WRG32F2BBBNN CRE22F2BBGLE DB1C-B1LB GPTCLS11 0015-0646 CRE-22F2BBULE CU103603 DB2C-A1AA DC1C-C3AA E19-00K STE-1053107ES73 WRG32F2BBGEN 0E1301H0 0E65-00A0 E78-30A GS101201 6141232 6141234 E19-50H STE-1348797ACCY 0E1350H0 DB3C-B1RC