

# Enclosure Door Switch



013500-00

## Applications

The door switch can be used for switching a light when opening a door (NC), or to activate a fan when closing a door (NO). The version with single-pole double-throw contact (SPDT) can be used as a normally closed and/or normally open contact. The wide mechanical adjustment range of the door switch offers versatile mounting; the housing is adjustable within a 1-3/8in [35mm] range, while the screw flange with a slotted hole offers an additional 13/16in [21mm]. The travel of the switch is itself another 5/16in [8mm].

## Features

- Tool-free adjustable switch positioning
- Strain relief, suitable for a range of cable diameters
- High switching capacity
- Suitable for light LED 025 and other devices



| Door Switch               |         |                                 |                                                                                                                  |                     |
|---------------------------|---------|---------------------------------|------------------------------------------------------------------------------------------------------------------|---------------------|
| Part Number               | Price   | Contact                         | Suitable Wire                                                                                                    | Drawing Link        |
| <a href="#">013500-00</a> | \$38.00 | Single-pole double throw (SPDT) | Solid wire or stranded wire with wire end ferrule<br>AWG 18 to 17 [0.75 mm <sup>2</sup> to 1mm <sup>2</sup> ]    | <a href="#">PDF</a> |
| <a href="#">013510-00</a> | \$38.00 | Normally-closed (NC)            | Solid wire or stranded wire with wire end ferrule<br>AWG 18 to 16 [0.75 mm <sup>2</sup> to 1.5 mm <sup>2</sup> ] | <a href="#">PDF</a> |
| <a href="#">013520-00</a> | \$38.00 | Normally-open (NO)              | Solid wire or stranded wire with wire end ferrule<br>AWG 18 to 16 [0.75 mm <sup>2</sup> to 1.5 mm <sup>2</sup> ] | <a href="#">PDF</a> |

| Door Switch Specifications          |                                                                 |
|-------------------------------------|-----------------------------------------------------------------|
| <b>Max. Switching Capacity</b>      | 10A resistive / 1.5 A inductive @ AC 250V                       |
| <b>Service Life</b>                 | VDE: > 10,000 cycles; UL: > 6,000 cycles                        |
| <b>Connection</b>                   | 4-pole clamp with strain relief, clamping torque 0.5 lb-in max. |
| <b>Housing</b>                      | Plastic according to UL 94V-0, gray/black                       |
| <b>Mounting</b>                     | M5 screws (not included)                                        |
| <b>Mounting Position</b>            | Variable                                                        |
| <b>Weight</b>                       | Approx. 1.8 oz [50g]                                            |
| <b>Operating Temperature</b>        | -4 to 185°F [-20 to 85°C]                                       |
| <b>Storage Temperature</b>          | -4 to 185°F [-20 to 85°C]                                       |
| <b>Operating / Storage Humidity</b> | Max. 90% RH (non-condensing)                                    |
| <b>Protection Type</b>              | IP20                                                            |
| <b>Approvals</b>                    | EAC, VDE, CE                                                    |

## Wiring Diagram

