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**
013500-00	$38.00	Single-pole double throw (SPDT)	Solid wire or stranded wire with wire end ferrule AWG 18 to 17 [0.75 mm² to 1mm²]	PDF
013510-00	$38.00	Normally-closed (NC)	Solid wire or stranded wire with wire end ferrule AWG 18 to 16 [0.75 mm² to 1.5 mm²]	PDF
013520-00	$38.00	Normally-open (NO)	Solid wire or stranded wire with wire end ferrule AWG 18 to 16 [0.75 mm² to 1.5 mm²]	PDF

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

Wiring Diagram

SPDT — 013500-00   NC — 013510-00   NO — 013520-00