



DIAGNOSTIC PLUNGER SWITCHES

Model Series 6445

- Non-contacting design for high cycle life
- Tamper resistant electrical output
- Snap-in installation
- Chemical and corrosion resistant construction
- Sealed to IP67 per IEC 60529
- RoHS, REACH and Conflict Mineral compliant

OPERATION

Delta Systems' diagnostic plunger switches are used in outdoor power, construction, agriculture, and material handling vehicles and equipment as brake switches, neutral switches, operator presence switches, ROPS position switches, and more. Switch outputs a different resistance value at each of two switch states, making them more resistant to tampering, helping keep operators safe. Switch uses a non-contacting magnetic design to extend switch life.

ELECTRICAL SPECIFICATIONS

Max Operating Voltage, VDC	32
Cycle Life	1,000,000
Pre-travel, inches	.040-.150
Internal resistance, unactuated	2000 Ω ±2%
Internal resistance, actuated	500 Ω ±2%

ENVIRONMENTAL RATINGS

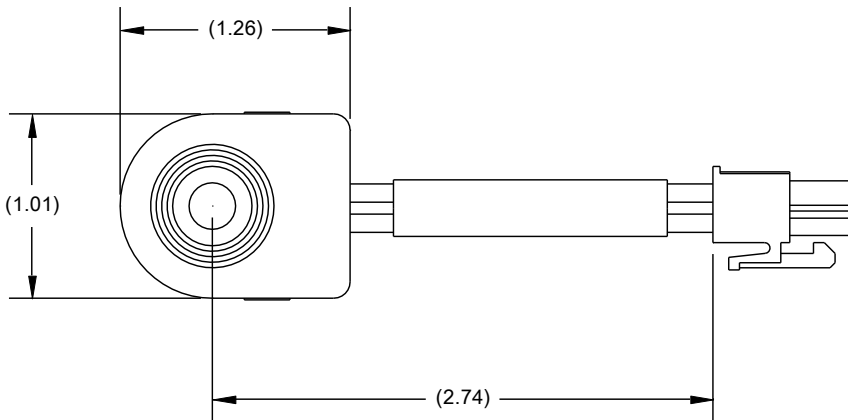
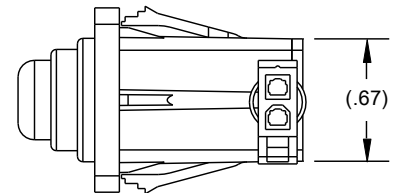
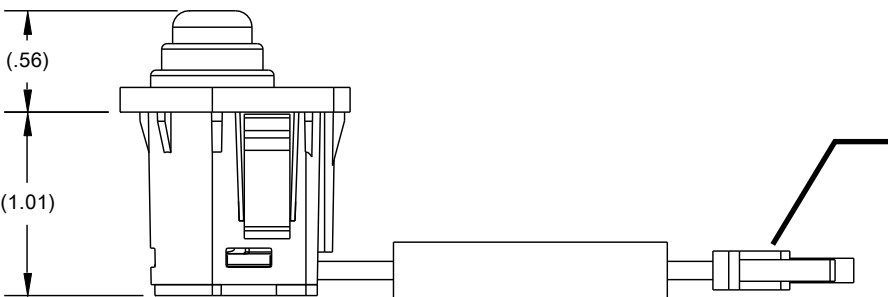
Salt Fog	ASTM B117. 96 hours
Ingress Protection	IP67
Operating Ambient Temperature Range	-40 to 85 °C
Storage Ambient Temperature Range	-40 to 85 °C
Chemical Resistance	ASTM Ref C Fuel, Diesel Fuel, Oil, Antifreeze, Freon, Paint, Latex, Gasoline, Gas with 10% ethanol, WD-40, Battery Acid, Ammoniated Glass Cleaner, Kerosene, GOJO®, Fertilizer
Environmental Testing	ISO 15003:2019 Compliant

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DIMENSIONS

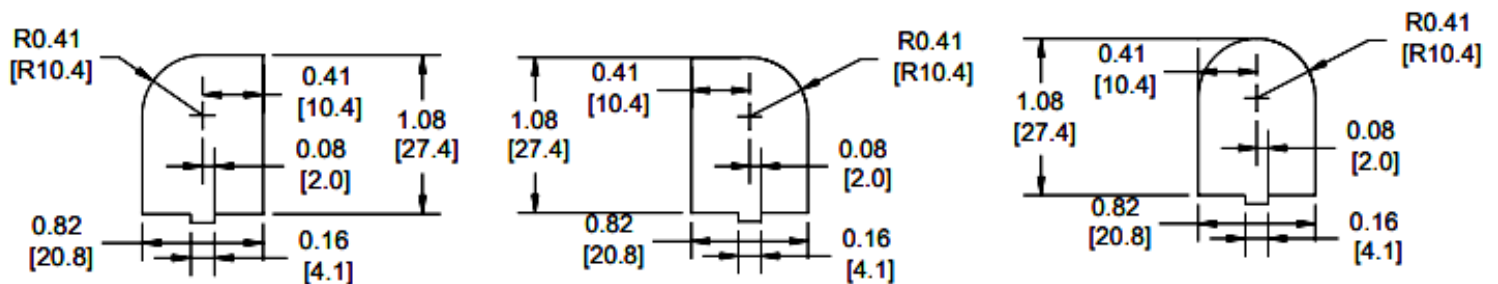
Note: For specific Part information please refer to the application print



Mating connector: Molex 39-01-2020

Mating terminals: Molex 45750

MOUNTING CONFIGURATION



Note: Life expectancy and switch performance are largely dependent on application. It is the user's responsibility to determine suitability of this product for the application. This information is intended as a guide for proper application.