

1.0 AMP max. carry current.

DIELECTRIC STRENGTH: 200 V DC min.

CONTACT RESISTANCE: 100 m

max. initial.

CONTACT RATINGS: 3.0 W max. @ 30 V DC or 30 V AC max. @

ELECTRICAL CIRCUIT: SPST NO (Contact Form A). Reed switch opens when magnet is removed from proximity. Contacts are

held closed when magnet is within actuation range.

are 110% to 150% of the operating points.

MECHANICAL & ELECTRICAL LIFE: 10 million operations.

PACKAGING: Bulk packaging, 10 switch and magnet pairs

OPERATING TEMPERATURE: -40°F to 212°F (-40°C to 100°C).

OPERATING DISTANCE/ALIGNMENT: Operate (pull-in or make)

points are nominal values with ± 10% tolerance. Release points

0.3 AMP max.; 1.0 msec. max. operate time (including bounce);

Features/Benefits

- Long life—10M operations
- Sealed contacts
 - Quality construction
- Quick and easy installation

Typical Applications

- Automotive sensors and indicators
- Industrial sensors
- Factory automation equipment

Specifications

Materials

HOUSING/SPACER/COVER: ABS plastic (UL94V-0), white.

- REED SWITCH: Rhodium coated reed contacts in hermetically sealed, nitrogen filled glass capsule. Closed when magnet is in close proximity. Used in closed loop circuits.
- WIRE LEADS: UL 1061, 22 AWG wire: stranded, made of copper or aluminum; Length: 12 in. with ends stripped; Color: white.

POTTING (around wires): Epoxy.

- MAGNETS: Alnico V (all models, except MPS80WG) and Ceramic Ferrite 8 (MPS80WG model only).
- ADHESIVE MOUNTING: Foam-backed, pressure-sensitive adhesive with release liner (MPS45WGW model only).

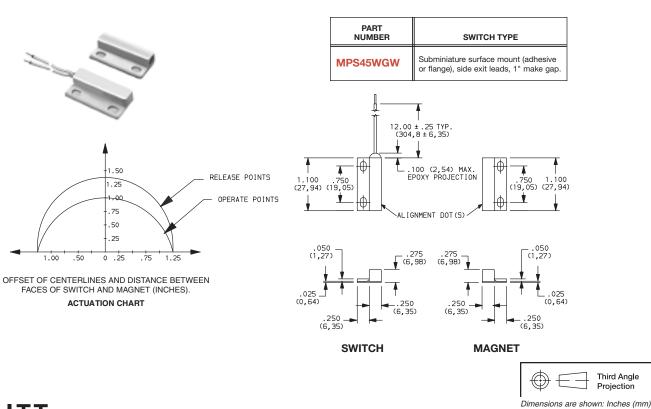
NOTE: For the latest information regarding RoHS compliance, please go to: www.ittcannon.com/rohs

NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center

How To Order

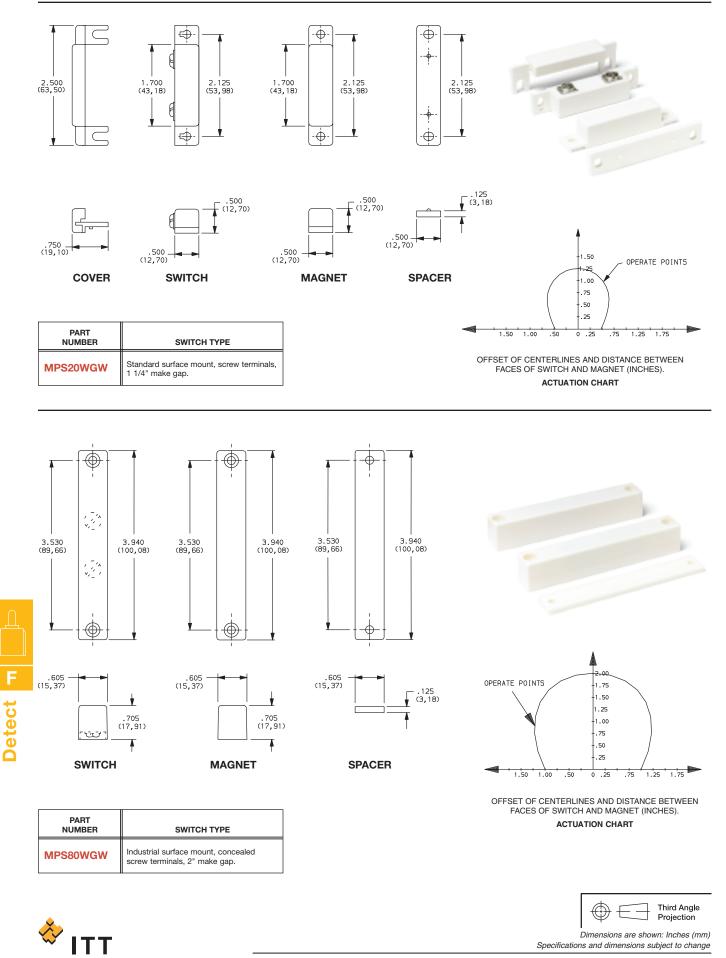
per package.

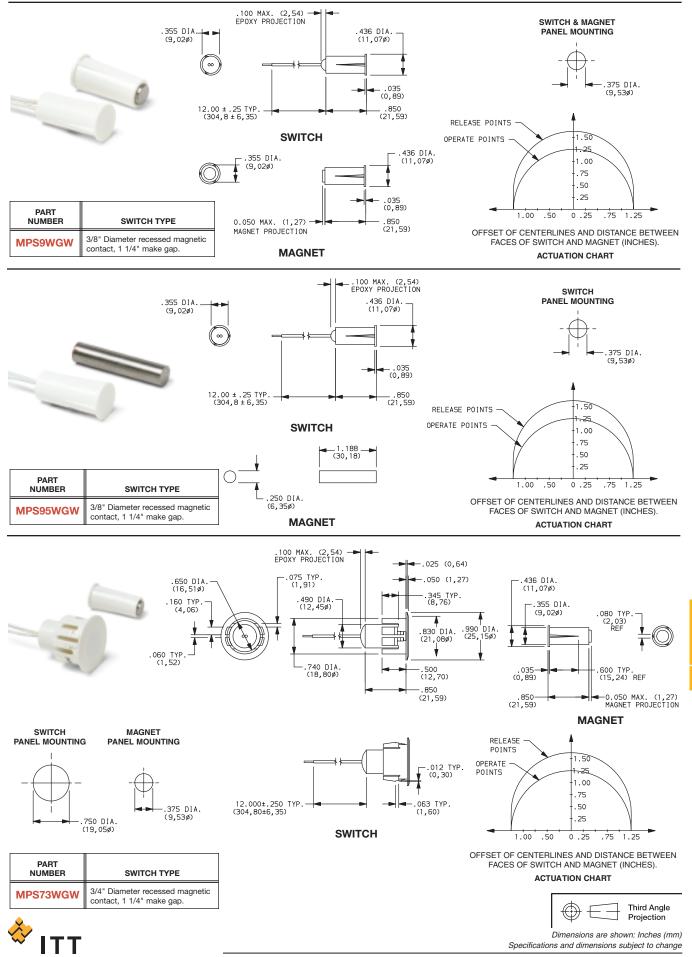
Complete part numbers for MPS Series Magnetic Proximity Sensors are shown on pages F-22 thru F-24.



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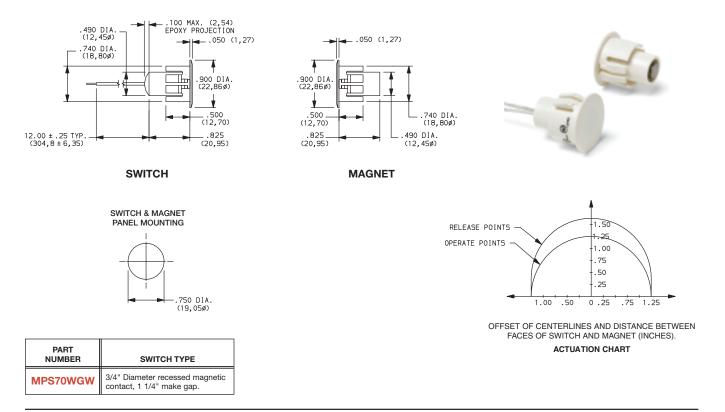
Specifications and dimensions subject to change





F

Detect



Actuating Positions

Gap Distance When installing recessed and surface mount contacts, magnet position Gap distance is a combination of the horizontal and vertical plane sepis very important. The switch and magnet must always be parallel or aration of the switch and magnet. Example: if a recessed magnet is 1/4" off the centerline of the switch, the make gap is reduced by 1/4" end to end, and never in a 'T' configuration.

Correct Configuration

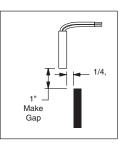


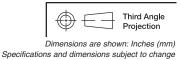
Incorrect Configuration

Center Alignment

1 1/4" Make Gap







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Detect 1

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

C&K Switches:

MPS20WGW MPS70WGW MPS73WGW MPS80WGW MPS95WGW MPS9WGW