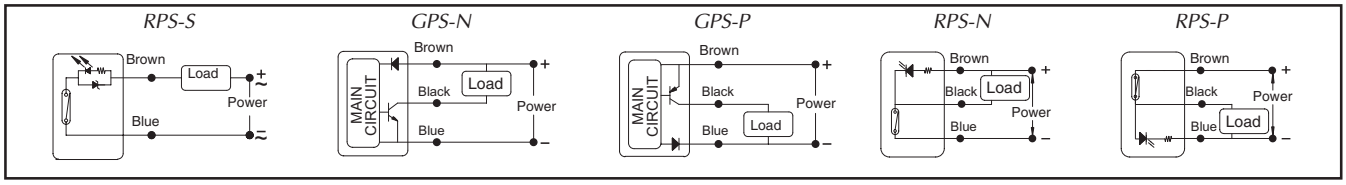
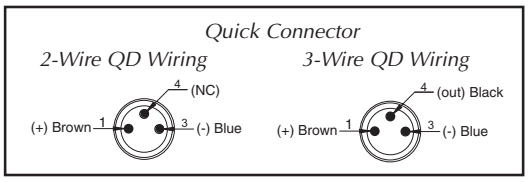
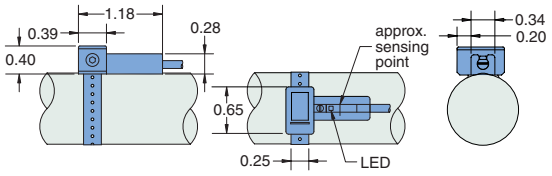
## NEW! Magnetic Piston -M

Clippard stainless steel pneumatic cylinders that are equipped with an internal magnet can be used with the Reed Switch and GMR Sensor. By accurately sensing the magnetic field of the piston when it passes beneath the sensor, the position of the rod piston is determined, and the feedback signal is created. Use of this option may add to the overall length of the cylinder. See specific cylinder listings for availability and details of the overall length adder.

| Characteristic/Type | RPS-S | GPS-N | GPS-P | RPS-N | RPS-P |
|---|---|---|---|---|---|
| **Switching Logic** | SPST Normally-Open | Solid State Output, Normally-Open | Solid State Output, Normally-Open | SPST Normally-Open | SPST Normally-Open |
| **Sensor Type** | Reed Switch | NPN Current Sinking | PNP Current Sourcing | Reed Switch NPN | Reed Switch PNP |
| **Operating Voltage** | 5 to 120 VDC/AC | 5 to 28 VDC | 5 to 28 VDC | 5 to 30 VDC | 5 to 30 VDC |
| **Switching Current** | 100 mA max. | 200 mA max. | 200 mA max. | 500 mA max. | 500 mA max. |
| **Switching Rating** | 10 W max. | 6 W max. | 6 W max. | 10 W max. | 10 W max. |
| **Current Consumption** | - | 20 mA max. @ 24 V (Switch Active) | 18 mA max. @ 24 V (Switch Active) | 10 mA max. @ 24 V (Switch Active) | 10 mA max. @ 24 V (Switch Active) |
| **Voltage Drop** | 2.5 V max. @ 40 mA DC | 0.5 V max. @ 200 mA (Resistive Load) | 0.5 V max. @ 200 mA (Resistive Load) | 0.5 V max. @ 550 mA (Resistive Load) | 0.5 V max. @ 550 mA (Resistive Load) |
| **Leakage Current** | - | 0.01 mA max. | 0.01 mA max. | - | - |
| **Indicator** | Red LED | Red LED | Green LED | Red LED | Green LED |
| **Cable** | 2.8§, 2C, Oil-Resistant PVC | 2.8§, 3C, Oil-Resistant PVC | 2.8§, 3C, Oil-Resistant PVC | 2.8§, 3C, Oil-Resistant PVC | 2.8§, 3C, Oil-Resistant PVC |
| **Sensitivity** | 60 G | 40 G | 40 G | 60 G | 60 G |
| **Max. Switching Frequency** | 200 Hz | 1,000 Hz | 1,000 Hz | 1,000 Hz | 1,000 Hz |
| **Temperature Range** | 14 to 158°F (-10 to 70°C) | 14 to 158°F (-10 to 70°C) | 14 to 158°F (-10 to 70°C) | 14 to 158°F (-10 to 70°C) | 14 to 158°F (-10 to 70°C) |
| **Shock** | 30 G | 50 G | 50 G | 30 G | 30 G |
| **Vibration** | 9 G | 9 G | 9 G | 9 G | 9 G |
| **Enclosure Classification** | IP 67 (NEMA 6) | IP 67 (NEMA 6) | IP 67 (NEMA 6) | IP 67 (NEMA 6) | IP 67 (NEMA 6) |
| **Protection Circuit** | - | Power Source Reverse Polarity; Surge Suppression | Power Source Reverse Polarity; Surge Suppression | - | - |




## NEW! Mounting Bracket

Clippard's Universal Mounting Bracket is designed to be used with both the Solid State (GMR) Sensor and the Reed Switch. The Universal Bracket can be used on any Clippard stainless steel cylinder where the -M option is available. Comes complete with 5/64" hex wrench.

| Order No. | |
|---|---|
| UC-0848 | Mounting Bracket |

| Reed Switch Order No. | |
|---|---|
| RPS-P3 | Sourcing Switch with 3 m Wire Leads |
| RPS-P8Q | Sourcing Switch with 8 mm Male QC 6" Pigtail |
| RPS-N3 | Sinking Switch with 3 m Wire Leads |
| RPS-N8Q | Sinking Switch with 8 mm Male QC 6" Pigtail |
| RPS-S3 | Simple Switch (2-Wire) with 3 m Wire Leads |
| RPS-S8Q | Simple Switch (2-Wire) with 8 mm Male QC 6" Pigtail |
| CPS-C8Q5 | Mating Cable Assembly, 8 mm Female QC with 5 m Leads |

| GMR Switch Order No. | |
|---|---|
| GPS-P3 | Sourcing Switch with 3 m Wire Leads |
| GPS-P8Q | Sourcing Switch with 8 mm Male QC 6" Pigtail |
| GPS-N3 | Sinking Switch with 3 m Wire Leads |
| GPS-N8Q | Sinking Switch with 8 mm Male QC 6" Pigtail |
| CPS-C8Q5 | Mating Cable Assembly, 8 mm Female QC with 5 m Leads |