

HOW TO ORDER

## M S 5 -

Rating:
$01=0.1 \mathrm{~A}$ at 48 V AC
0.1 A at $125 \mathrm{~V} \mathrm{AC}, 250 \mathrm{~V} \mathrm{AC}$
$3=3 \mathrm{~A}$ at 12 V AC
3 A at $125 \mathrm{~V} \mathrm{AC}, 250 \mathrm{~V} \mathrm{AC}$
Actuator: -
$\mathrm{P}=$ Pin Plunger
Force:
$\mathrm{S}=$ Standard

## FEATURES

※Sealed IP67
$※ 14.7 \times 5.4 \times 12 \mathrm{~mm}$
※Sloder Terminals \& Wire with screw hole
APPLICATION ※Automobile industry ※Consumer electronics

Terminal Type:
W=Lead Wirt With
Connector
Wire: AWG24 UL 1007
COM: Black
NO: Blue
NC: Yellow
Contact Form:
1=1c (SPDT)

## SPECIFICATION

| Contact Rating | 3A at 250V AC |
| :---: | :---: |
| Mechanical Durability | 500,000 cycles (30~60 Operations/min) |
| Electrical Durability | 100,000 cycles (10~30 Operations/min) |
| Contact Resistance | $150 \mathrm{~m} \Omega$ max. |
| Insulation Resistance | $100 \mathrm{M} \Omega \mathrm{min}$. (at 500V VDC) |
| Dielectric Strength | Between terminals of the same polarity: $600 \mathrm{~V} \mathrm{AC}(50 \mathrm{~Hz}$ or 60 Hz ) shall be applied across terminals for 1 minute |
|  | Between each terminal and ground: $1500 \mathrm{~V} \mathrm{AC}(50 \mathrm{~Hz}$ or 60 Hz$)$ shall be applied across terminals for 1 minute |
|  | Between each terminal and n-current-carrying metal parts 1500V AC ( 50 Hz or 60 Hz ) shall be applied across terminals for 1 minute |
| Operating <br> Frequency | Machanical: 60 operations/min max. Electrical: 30 operations/min max. |
| Operating Temp. | $-40^{\circ} \mathrm{C} \sim+85^{\circ} \mathrm{C}$ |

## CIRCUIT



## MS5-3PS1W



OPERATING CHARACTERISTICS

| ITEM | SPEC. |
| :--- | :--- |
| OPERATING FORCE | $1.30 \mathrm{~N} \mathrm{MAX}$. |
| RELEASE FORCE | $0.13 \mathrm{~N} \mathrm{MIN}$. |
| OVERTRAVEL | 0.80 mm MIN. |
| MOVEMENT DIFFERENTIAL | 0.20 mm MAX. |
| OPERATING POSITION | $6.40 \sim 6.95 \mathrm{~mm}$ |
| FREE POSITION | $7.15 \pm 0.20 \mathrm{~mm}$ |
| PREIRAVEL | 0.80 mm MAX. |




