## MA SERIES - MICRO-LIMIT SWITCHES



FEATURES

- Ratings: 16 Amps 250 VAC (resistive load). 4 Amps 250 VAC (motor load) or 3 Amps 250 VAC (resistive load). 0.1 Amps 250 VAC (motor load).
- Single pole CO (change-over or alternate action), NC (normally closed momentary) and NO (normally open momentary) configurations.
- Close tolerance switching action with long life (10,000,000 mechanical cycles min.).
- Pin plunger, hinge lever or roller lever actuator options.


## MATERIALS

Contacts: Stationary: Nicker silver Shorting: Beryllium copper
Actuator: FS 161 (UL94V-O)
Case \& cover: PBT (UL94V-O)
Terminals: Silver plated copper/zinc

AGENCY RECOGNITION
Approval pending.

## SPECIFICATIONS

Operating force: $\leq 12.59$ oz. (343 grams) approx. for 16 Amp models
$\leq 0.72$ oz. (20 grams) approx. for 3 Amp models
Pretravel: $\leq .047^{\prime \prime}$ (1.2mm)
Overtravel: $\quad \geq .059^{\prime \prime}(1.5 \mathrm{~mm}) \mathrm{min}$.
Movement differential: $\leq .016^{\prime \prime}$ ( 0.4 mm )
Free position: $\quad \leq .649^{\prime \prime}(16.5 \mathrm{~mm})$
Operating position: $\quad .578^{\prime \prime} \pm .020^{\prime \prime}(14.7 \mathrm{~mm} \pm 0.5 \mathrm{~mm})$
Operating temperature:
$-40^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$
Contact gap:
less than .118" (3mm)
Tracking resistance: > PTI 175

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STANDARD MODELS

| Quick-conn terminal |  | $\begin{aligned} & .031 x .248 " \\ & (0.8 \times 6.3 \mathrm{~mm}) \end{aligned}$ |  | .031x.248" ( $0.8 \times 6.3 \mathrm{~mm}$ ) pin spacing .197"(5mm) | $\begin{aligned} & .020 \times .189 " \\ & (0.5 \times 4.8 \mathrm{~mm}) \end{aligned}$ |  | $\begin{aligned} & .031 x .189 " \\ & (0.8 \times 4.8 \mathrm{~mm}) \end{aligned}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Switching cap |  | 16(4)A | 3(0.1)A | 16(4)A | 16(4)A | 3(0.1) A | 16(4)A | 3(0.1) A |
| Pin plunger | $\begin{aligned} & \text { NO } \\ & \text { NC } \\ & \text { CO } \end{aligned}$ | MAA6A MAB6A MAC6A | MAA7A MAB7A MAC7A | MAD6A MAE6A MAF6A | MAG6A MAH6A MAI6A | MAG7A MAH7A MAI7A | MAJ6A MAK6A MAL6A | MAJ7A MAK7A MAL7A |
| Hinge lever | $\begin{aligned} & \text { NO } \\ & \text { NC } \\ & \text { CO } \end{aligned}$ | MAA6B <br> MAB6B <br> MAC6B |  | MAD6B MAE6B MAF6B | MAG6B MAH6B MAI6B |  | MAJ6B MAK6B MAL6B |  |
| Roller lever | $\begin{aligned} & \text { NO } \\ & \text { NC } \\ & \text { CO } \end{aligned}$ | MAA6C MAB6C MAC6C | - | MAD6C MAE6C MAF6C | MAG6C MAH6C MAI6C | - | MAJ6C MAK6C MAL6C | - |



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## MECHANICAL OUTLINES

Models with quick-connect terminal .031x.248" (0.8x6.3mm) \& pin spacing .197" (5mm)


Normally open



Side view

Normally closed

$\square$





Adaptor element

Hinge lever

Roller lever



Side view


Quick connect terminal

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