
${ }_{c} \mathrm{TN}_{\text {us }}$ - E222871

## MATERIALS $\leftarrow$ RoHS COMPLIANT

| Actuator | ABS |
| :--- | :--- |
| Housing | DAP - Diallyl Phthalate |
| Frame | $6 / 6$ Nylon |
| Bushing | Brass or Zinc, Nickel Plated |
| Contacts | Copper Alloy, Silver Plated |
| Terminals | Brass, Silver Plated |

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## ORDERING INFORMATION



## 5. Actuator Color

| $1=$ White | $4=$ Yellow | $7=$ Blue |
| :--- | :--- | :--- |
| $2=$ Black | $5=$ Green | $8=$ Brown |
| $3=$ Red | $6=$ Orange | $9=$ Gray |

6. Frame Color:

| $1=$ White | $4=$ Yellow | $7=$ Blue | Blank = No Frame |
| :--- | :--- | :--- | :--- |
| $2=$ Black | $5=$ Green | $8=$ Brown |  |
| $3=$ Red | $6=$ Orange | $9=$ Gray |  |

## 7. Actuator Marking Style:

Blank = No Marking
A, B, C, D, E, F, G

## 8. Actuator Marking Color:

Blank = No Marking, W = White (Standard), B = Black

## 9. Terminals:

## B = Solder Lug

C = PC Pin
D = Quick Connect
H = Horizontal Mount, Right Angle PC Pin; HS = Snap-in
V = Vertical Mount, Right Angle PC Pin
S20 or S25 = PC Pin with Support Bracket; V20 or V25= Snap-in Support Bracket
S35 or S40 = PC Pin with Support Bracket; S35 or V40 = Snap-in Support Bracket
10. Contacts:

Q = Silver Plated
R = Gold Plated
G = Gold over Silver Plated

## 11. Epoxy Seal: <br> E = Epoxy Seal

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## SWITCH FUNCTION





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## ACTUATOR OPTIONS (PC MOUNT / PANEL MOUNT) <br> R11P / R11



## R15P / R15



## R19P / R19



## R21P / R21



P13P / P13



## P47P / P47



P48P / P48


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## ACTUATOR OPTIONS (SNAP-IN PANEL MOUNT)

R12

** Increase the length dimension to 15.75/15.88 for 1.50/3.20 thick panels



PANEL MOUNT CUT OUT

## R22




PANEL MOUNT CUT OUT

** Increase the length dimension to $15.75 / 15.88$ for $1.50 / 3.20$ thick panels


PANEL MOUNT CUT OUT

## P24

** Increase the length dimension to $15.75 / 15.88$ for $1.50 / 3.20$ thick panels


PANEL MOUNT CUT OUT

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## ACTUATOR OPTIONS (SNAP-IN PANEL MOUNT)


** Increase the length dimension to $15.75 / 15.88$ for $1.50 / 3.20$ thick panels



PANEL MOUNT CUT OUT

P27


P18


PANEL MOUNT CUT OUT
** Increase the length dimension to $15.75 / 15.88$ for $1.50 / 3.20$ thick panels


PANEL MOUNT CUT OUT
** Increase the length dimension to $15.75 / 15.88$ for $1.50 / 3.20$ thick panels


PANEL MOUNT CUT OUT

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## ACTUATOR OPTIONS (SNAP-IN PANEL MOUNT)

R51R

** Increase the length dimension to 15.75/15.88 for 1.50/3.20 thick panels


P53R

## ACTUATOR MARKINGS

| $\bigcirc 1$ | ○- | ON OFF | $11 \bigcirc$ | $\bigcirc$ | $\leftarrow \rightarrow$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| A | B | C | D | E | F |

## TERMINAL OPTIONS



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## TERMINAL OPTIONS



H (HS - Snap-in) = Horizontal Mount, Right Angle PC Pins (Single Pole)


H (HS - Snap-in) = Horizontal Mount, Right Angle PC Pins (Double Pole)


## V = Vertical Mount, Right Angle PC Pins (Single Pole)



V = Vertical Mount, Right Angle PC Pins (Double Pole)

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## TERMINAL OPTIONS



## V = Vertical Mount, Right Angle PC Pins (Three Pole)



V = Vertical Mount, Right Angle PC Pins (Four Pole)


| Terminal <br> Option | "A" <br> Dimension |
| :---: | :---: |
| S20-V20 | 11.68 |
| S25-V25 | 16.00 |

## S20/S25 (V20/V25 - Snap-in Bracket) = PC Pins with Support Bracket (Single Pole)



| Terminal <br> Option | "A" <br> Dimension |
| :---: | :---: |
| S20-V20 | 11.68 |
| S25-V25 | 16.00 |

S20/S25 (V20/V25 - Snap-in Bracket) = PC Pins with Support Bracket (Double Pole)

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## TERMINAL OPTIONS



## S20/S25 (V20/V25 - Snap-in Bracket) = PC Pins with Support Bracket (Three Pole)



## S20/S25 (V20/V25 - Snap-in Bracket) = PC Pins with Support Bracket (Four Pole)



| Terminal <br> Option | "A" <br> Dimension |
| :---: | :---: |
| S35-V35 | 11.68 |
| S40-V40 | 16.00 |

S40 (V40 - Snap-in Bracket) = PC Pins with Support Bracket (Single Pole)

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## TERMINAL OPTIONS



| Terminal <br> Option | "A" <br> Dimension |
| :---: | :---: |
| S35-V35 | 11.68 |
| S40-V40 | 16.00 |

S40 (V40 - Snap-in Bracket) = PC Pins with Support Bracket (Double Pole)


| Terminal <br> Option | "A" <br> Dimension |
| :---: | :---: |
| S35-V35 | 11.68 |
| S40-V40 | 16.00 |

S40 (V40 - Snap-in Bracket) = PC Pins with Support Bracket (Four Pole)

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## CONTACT OPTIONS

| Designator | Contact Material | Terminal Material | Electrical Ratings |
| :---: | :--- | :--- | :--- |
| Q | Silver Plating | Silver Plating | $5 \mathrm{~A} @ 120 \mathrm{VAC}, 28 \mathrm{VDC} ; 2 \mathrm{~A}$ @ 250VAC |
| R | Gold over Nickel Plating | Gold over Nickel Plating | .4 VA max @ 20VAC or VDC max |
| G | Gold over Silver Plating | Gold over Silver Plating | .4 VA max @ 20VAC or VDC max or <br> $5 \mathrm{~A} @ 120 \mathrm{VAC}, 28 \mathrm{VDC} ; 2 \mathrm{~A}$ @ 250VAC |

## THREE WAY WIRING DIAGRAM

|  | POSITION 1 | POSITION 2 | POSITION 3 |
| :---: | :---: | :---: | :---: |
|  |  |  |  |
| Customer must wire externally |  |  |  |
|  | POSITION 1 | POSITION 2 | POSITION 3 |
|  |  |  |  |

