## SPECIFICATIONS

| Electrical Ratings | 1 A @ 24VDC |
| :--- | :--- |
|  | 1 A @ 125VAC |
|  | $0.5 \mathrm{~A} @ 250 \mathrm{VAC}$ |
| Electrical Life | 30,000 cycles typical |
| Contact Resistance | $<50 \mathrm{~m} \Omega$ initial |
| Actuation Force | $200+/-50 \mathrm{gF}$ |
| Actuator Travel | $2.5+/-.3 \mathrm{~mm}$ |
| Dielectric Strength: | $1000 \mathrm{Vrms} \min$ (contact to contact) |
|  | $1500 \mathrm{Vrms} \mathrm{min} \mathrm{(contact} \mathrm{to} \mathrm{LED)}$ |
| Insulation Resistance | $>100 \mathrm{M} \Omega$ min |
| Operating Temperature | $-25^{\circ} \mathrm{C}$ to $70^{\circ} \mathrm{C}$ |
| Storage Temperature | $-25^{\circ} \mathrm{C}$ to $70^{\circ} \mathrm{C}$ |

MATERIALS $\leftarrow$ RoHS COMPLIANT

| Actuator \& Body | Brass, Nickel Plated, Stainless Steel, <br> Black Anodized Aluminum |
| :--- | :--- |
| LED Lens | PC |
| Nut | Brass, Nickel Plated |
| Terminal Support | PBT |
| Inner Switch Body | PC |
| Contacts | Silver Alloy |
| Terminals | Brass, tin plated |

## ORDERING INFORMATION



## DIMENSIONS

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## LED CHARACTERISTICS

| LED Ratings |  | COLORS |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | R | Y | G | B | 0 | W | Units |
| Reverse Voltage | $\mathrm{V}_{\mathrm{R}}$ | 5 | 5 | 5 | 5 | 5 | 5 | V |
| Forward Current (avg) | $\mathrm{I}_{\mathrm{F}}$ | 25 | 25 | 30 | 30 | 25 | 30 | mA |
| Forward Current (peak) | $\mathrm{I}_{\text {FS }}$ | 120 | 120 | 160 | 160 | 120 | 160 | mA |
| Reverse Current $\mathrm{V}_{\mathrm{R}}=5 \mathrm{~V}$ | $\mathrm{I}_{\mathrm{R}}$ | 10 | 10 | 10 | 10 | 10 | 10 | $\mu \mathrm{A}$ |
| Power Dissipation | $\mathrm{P}_{\text {T }}$ | 80 | 80 | 120 | 120 | 80 | 120 | mW |
| Operating \& Storage Temperature | $\mathrm{T}_{\mathrm{A}}$ |  |  |  |  |  |  | ${ }^{\circ} \mathrm{C}$ |
| Forward Voltage (typ.), $\mathrm{I}_{\mathrm{F}}=20 \mathrm{~mA}$ | $\mathrm{V}_{\mathrm{F}}$ | 2.1 | 2.1 | 3.3 | 3.3 | 2.0 | 3.0 | V |
| Forward Voltage (max.), $\mathrm{I}_{\mathrm{F}}=20 \mathrm{~mA}$ | $\mathrm{V}_{\mathrm{F}}$ | 2.4 | 2.5 | 3.6 | 3.6 | 2.3 | 3.6 | V |
| Wavelength at Peak Emmission, $\mathrm{I}_{\mathrm{F}}=20 \mathrm{~mA}$ | $\lambda_{P}$ | 635 | 592 | 516 | 463 | 606 | N/A | nm |
| Spectral Line Half-Width, $\mathrm{I}_{\mathrm{F}}=20 \mathrm{~mA}$ | $\Delta \lambda$ | 14 | 12 | 28 | 20 | 12 | N/A | nm |
| Luminous Intensity, $\mathrm{I}_{\mathrm{F}}=20 \mathrm{~mA}$ | LI | 120 | 120 | 170 | 100 | 120 | 700 | mcd |
| Viewing Angle | $\Theta$ | 145 | 145 | 145 | 145 | 145 | 145 | Deg |

## SCHEMATICS \& PANEL CUT OUT



(4)
(5) -6

SPDT
DPDT


SPDT (Dual LED)


Panel Cut Out

