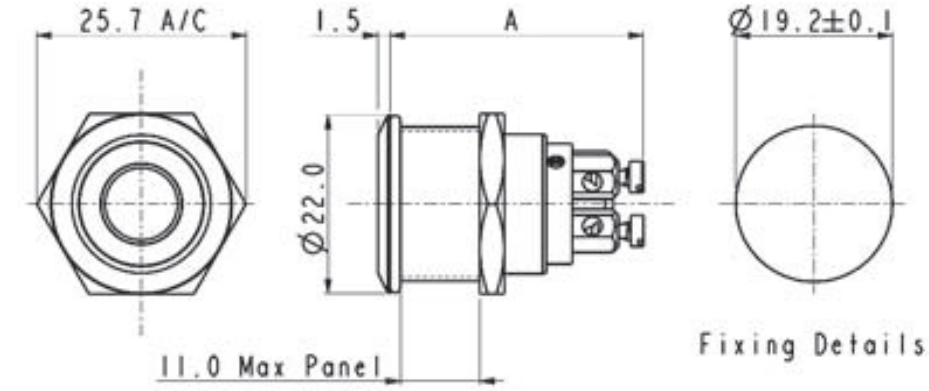
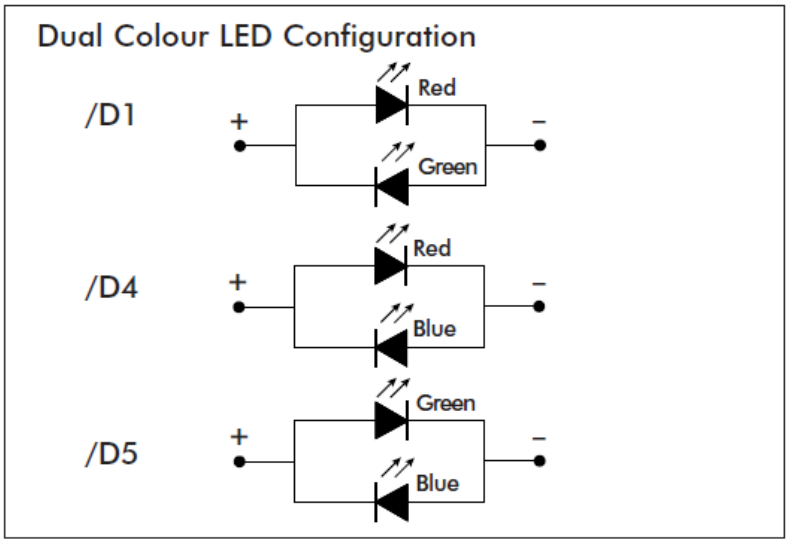
# Stainless Steel Illuminated Vandal Resistant
# C-5231 - C-5232 - C-5233

## Característiques Tècniques

Ring illumination
22mm diameter
Single pole push to make
50mA, 24Vdc contact rating
Red, Green, Amber, Blue, White or dual colour illumination
Bright daylight LEDs
Independent LED terminals
Front panel seal to IP66
Integral supply resistors
TVS protection




MP1002/TAG/COL A = 32.7
MP1002/TERM/COL A = 31.0 MAX.



| Specification | MPI002/Termination/Colour/Voltage | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Illumination style: | Ring | | | | | | | |
| Terminations: | /28 (2.8mm tabs),<br>/TERM or /TE (screw terminals) | | | | | | | |
| Switching: | Single pole, push to make, tactile (momentary action) | | | | | | | |
| Max. Switch Rating: | 50mA, 24Vdc | | | | | | | |
| LEDs (ratings @ 20mA) | | | | | | | | |
| Part No. | /RD | /GN | /AM | /BL | /WH | /D1 | /D4 | /D5 |
| Colours | Red | Green | Amber | Blue | White | Red/Green | Red/Blue | Green/Blue |
| Luminous Intensity | 900mcd | 2500mcd | 900mcd | 1500mcd | 900mcd | 2500mcd/5000mcd | 2000mcd/850mcd | 4000mcd/2000mcd |
| Forward Voltage | 1.85V | 3.5V | 2.3V | 3.5V | 3.6V | 2.05V/3.6V | 2.0V/3.6V | 3.6V/3.6V |
| Forward Current | 20mA | 20mA | 20mA | 20mA | 20mA | 20mA | 20mA | 20mA |
| Moulding Colour | Red | Green | Amber | Blue | White | Black | Black | Black |
| Illumination Voltage: | /no suffix | No resistor fitted. **An appropriate resistor must be series connected by the user.** Voltages as above. | | | | | | |
| | /6 | 6Vdc | | | | | | |
| | /12 | 12Vdc | | | | | | |
| | /24 | 24Vdc | | | | | | |
| Contact Resistance: | <100mΩ | | | | | | | |
| Insulation Resistance: | $>10^3$ MΩ | | | | | | | |
| Dielectric Strength: | Contact to Panel >2.0kV<br>Contact to Contact 1500V | | | | | | | |
| Operating Temp. Range: | –30°C to +70°C | | | | | | | |
| Sealing (Front of panel only): | Protection Classification: IP66 EN60529 1992 | | | | | | | |
| Operations | | | | | | | | |
| Mechanical: | 750,000 (min) | | | | | | | |
| Electrical: | 35,000 (min) | | | | | | | |
| Operating Pressure: | 12N | | | | | | | |
| Rear Nut Fixing Torque: | 0.57Nm | | | | | | | |
| Materials | | | | | | | | |
| Switch assembly: | UL94V-0 rated Polyamide (Nylon) | | | | | | | |
| Tags: | Copper Alloy | | | | | | | |
| Terminals: | Copper Alloy | | | | | | | |
| Switch Body & Button: | Stainless Steel | | | | | | | |
| Lens and Lens Body: | Polycarbonate | | | | | | | |
| O ring: | Nitrile | | | | | | | |
| Internal seal: | Silicone | | | | | | | |
| Contact Plate: | Gold Plated | | | | | | | |
| Thread size: | 18.97mm x 26TPI | | | | | | | |
| | ESD Handling precautions must be taken | | | | | | | |
| | Compliant | | | | | | | |

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