Stainless Steel Illuminated Vandal Resistant
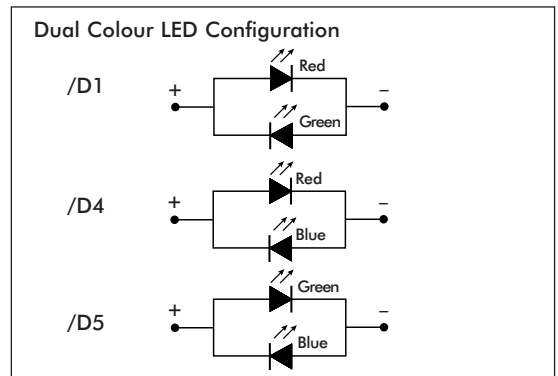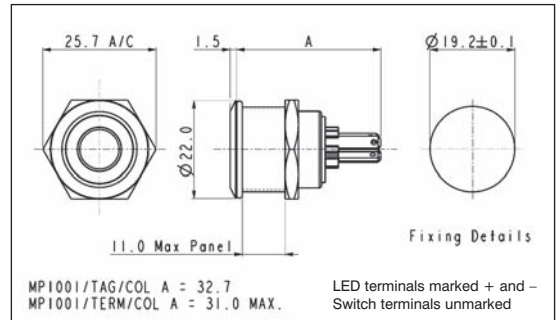
FRONT PANEL MOUNTING

MPI001- front panel seal to IP66

- Dot 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

25.7 A/C   1.5   A   Ø19.2±0.1

Ø22.0

11.0 Max Panel   Fixing Details

MPI001/TAG/COL A = 32.7
MPI001/TERM/COL A = 31.0 MAX.

LED terminals marked + and –
Switch terminals unmarked

Dual Colour LED Configuration

/D1   +   Red / Green   –

/D4   +   Red / Blue   –

/D5   +   Green / Blue   –

Specification	MPI001/Termination/Colour/Voltage
Illumination style:	Dot
Terminations:	/28 (2.8mm tabs), /TERM or /TE (screw terminals)
Switching:	Single pole, push to make, tactile (momentary action)
Max. Switch Rating:	50mA, 24Vdc

LEDs (ratings @ 20mA)

	/RD	/GN	/AM	/BL	/WH	/D1	/D4	/D5
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 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
RoHS	Compliant