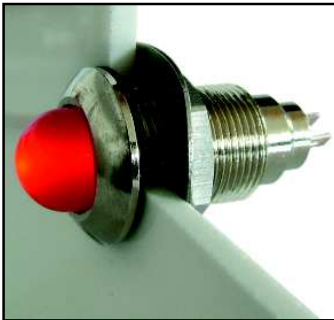


PROFESSIONAL LED INDICATORS Ø12.7mm Mounting



**533 SERIES**

PACK QUANTITY = 10 PIECES

**FEATURES**

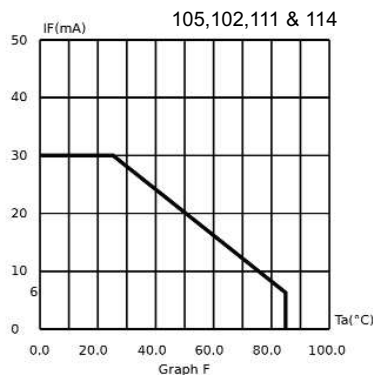
- Each product will operate over a wide voltage input range
- Bright nickel plated brass housing
- 180° viewing angle
- Full internal potting to resist shock and vibration
- Sealed to IP67
- Fitted with an internal diode to provide reverse voltage protection to 1000Vdc

**SPECIFICATIONS**

Ordering Information & Typical Technical Characteristics (Ta = 25°C)

Mean Time Between Failure = 100,000 Hours. Luminous intensity figures refer to the unmodified discrete LED.

PART NUMBER	COLOUR	LENS	VOLTAGE DC (Vdc) Vopr	CURRENT DC (mA) Iopr	LUMINOUS INTENSITY Iv@20mA (mcd)	WAVE LENGTH λp (nm)	OPERATING TEMP Topr	STORAGE TEMP Tstg	
<b>HIGH INTENSITY</b>									
533-105-63	Red	Colour Diffused	12-28	8-20	100	627	-40 ~ +85 <sup>^</sup>	-40 ~ +85	Yes
533-102-63	Red (GaAlAs)	Colour Diffused	12-28	8-20	450	660	-40 ~ +85 <sup>^</sup>	-40 ~ +85	Yes
533-111-63	Yellow	Colour Diffused	12-28	8-20	50	590	-40 ~ +85 <sup>^</sup>	-40 ~ +85	Yes
533-114-63	Green	Colour Diffused	12-28	8-20	60	565	-40 ~ +85 <sup>^</sup>	-40 ~ +85	Yes
533-105-75	Red	Colour Diffused	110Vac	6	100	627	-40 ~ +85 <sup>^</sup>	-40 ~ +85	Yes
533-102-75	Red (GaAlAs)	Colour Diffused	110Vac	6	450	660	-40 ~ +85 <sup>^</sup>	-40 ~ +85	Yes
533-111-75	Yellow	Colour Diffused	110Vac	6	50	590	-40 ~ +85 <sup>^</sup>	-40 ~ +85	Yes
533-114-75	Green	Colour Diffused	110Vac	6	60	565	-40 ~ +85 <sup>^</sup>	-40 ~ +85	Yes
<b>UNITS</b>			<b>Vdc</b>	<b>mA</b>	<b>mcd</b>	<b>nm</b>	<b>°C</b>	<b>°C</b>	



<sup>^</sup> = Products must be derated according to the derating information. Each derating graph refers to specific LEDs.

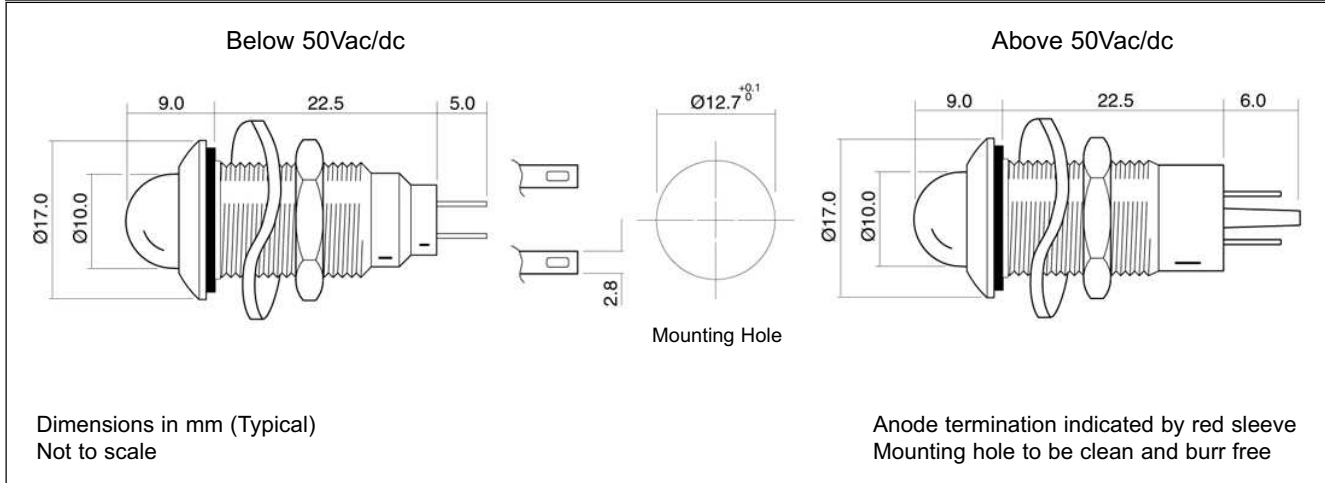
**How to Order:**

website: [www.marl.co.uk](http://www.marl.co.uk) • email: [sales@marl.co.uk](mailto:sales@marl.co.uk) •

• Telephone +44 (0)1229 582430 • Fax: +44 (0)1229 585155

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### 533 Series



MATERIALS		PUSH-ON CONNECTORS	
Body	Nickel plated brass to BS 2874 CZ121	<p>925-000-00 is brass tin plated. For use with 533 series lamps.</p> <p>Dimensions in mm (Typical) Not to scale</p>	
Nut	Stainless Steel grade 303		
Panel Seal	Viton		
Termination	Copper with silver flash finish		
Lock Washer	Zinc plated steel		
Fresnel lens	Polycarbonate		
Encapsulation	PC5430		
Header	Nylon6 A82		

TECHNICAL CHARACTERISTICS						
SERIES	MAXIMUM POWER DISSIPATION	PANEL CUTOUT	NUT MOUNTING TORQUE	MINIMUM MOUNTING CENTRES	MIN/MAX. PANEL THICKNESS	
533	825	12.7	1.0	x,y=19.5	1.5-8.0	
	mW	mm	Nm	mm	mm	

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