

PROFESSIONAL LED INDICATORS Ø12.7mm Mounting

## FEATURES



### 514 SERIES

PACK QUANTITY = 10 PIECES

- Robust bright nickel plated brass housing
- Sealed to IP67
- Raised profile styling
- Suitable for high vibration applications
- Internal reverse protection diode fitted as standard in all voltage models.

## SPECIFICATION

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>STANDARD INTENSITY</b>										
514-105-21	Red		Colour Diffused	12	19	100	627	-40 ~ +85 <sup>^</sup>	-40 ~ +85	Yes
514-111-21	Yellow		Colour Diffused	12	20	50	590	-40 ~ +85 <sup>^</sup>	-40 ~ +85	Yes
514-114-21	Green		Colour Diffused	12	20	60	565	-40 ~ +85 <sup>^</sup>	-40 ~ +85	Yes
514-105-23	Red		Colour Diffused	24-28	20	100	627	-40 ~ +85 <sup>^</sup>	-40 ~ +85	Yes
514-111-23	Yellow		Colour Diffused	24-28	20	50	590	-40 ~ +85 <sup>^</sup>	-40 ~ +85	Yes
514-114-23	Green		Colour Diffused	24-28	20	60	565	-40 ~ +85 <sup>^</sup>	-40 ~ +85	Yes
<b>HIGH INTENSITY</b>										
514-102-04	Red		Colour Diffused	1.9*	20	450	660	-40 ~ +85 <sup>^</sup>	-40 ~ +85	Yes
514-102-21	Red		Colour Diffused	12	20	450	660	-40 ~ +85 <sup>^</sup>	-40 ~ +85	Yes
514-102-23	Red		Colour Diffused	24-28	20	450	660	-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>		

\* = Voltage DC for 20mA product is Vf@20mA, not Vopr

Other voltages AC/DC available. Please contact our Technical Sales.

<sup>^</sup> = Products must be derated according to the derating information

### How to Order:

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

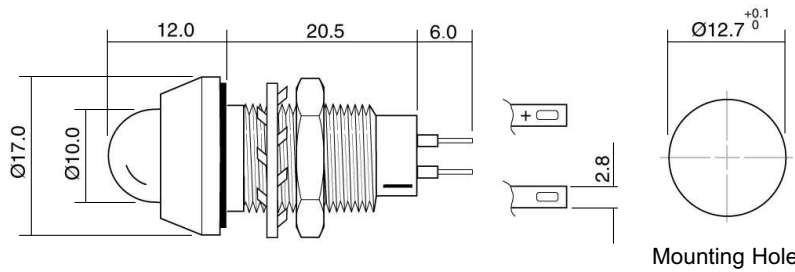
• Telephone +44 (0)1229 582430 • Fax: +44 (0)1229 585155

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### 514 Series



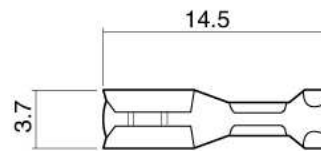
Dimensions in mm (Typical)  
Not to scale

Anode termination indicated by red sleeve  
Mounting hole to be clean and burr free

#### MATERIALS

Body	Brass to BS 2874 CZ121 Nickel plated to BS 1224
Nut	Brass to BS 2874 CZ121 nickel plated to BS 1224
Panel Seal	Viton
Termination	Brass to BS 2874 CZ108 Copper flash undercoat with silver flash finish
Lock Washer	Zinc plated steel
Encapsulation	PC5430 resin

#### PUSH-ON CONNECTORS



925-000-00 is brass tin plated.  
For use with 514 series lamps.

Dimensions in mm (Typical)  
Not to scale

#### TECHNICAL CHARACTERISTICS

SERIES	MAXIMUM POWER DISSIPATION	MAXIMUM REVERSE VOLTAGE	PANEL CUTOUT	NUT MOUNTING TORQUE	MINIMUM MOUNTING CENTRES	MIN/MAX. PANEL THICKNESS
514	1000	3* /1000•	12.7	1.0	x,y=19.5	1.5-8.0
	mw	Vdc	mm	Nm	mm	mm

\* = Current version • = Voltage version

#### OPTIONAL FLYING LEAD TERMINATIONS

ORDER CODE SUFFIX	SUPPLY VOLTAGE	WIRE COLOUR	WIRE LENGTH	NO/DIAMETER OF CONDUCTORS	DIAMETER OVER INSULATION	COMMENTS
15	DC Products	Red-anode / Black-cathode	150mm	19/0.15mm	1.2mm	Customised lengths available
15	AC Products	Brown-live / Blue-neutral	150mm			
19	DC Products	Red-anode / Black-cathode	1000mm			
19	AC Products	Brown-live / Blue-neutral	1000mm			

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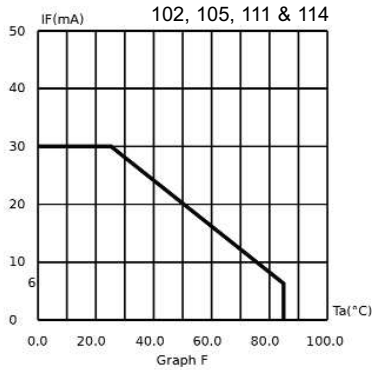
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## DERATING INFORMATION



## ALSO AVAILABLE

Part numbers also available in the 514 Series:

PART NO.	COLOUR	VOLTAGE DC (Vdc) Vopr
514-102-22	Red	24 Vdc
514-102-25	Red	110 Vdc
514-102-72	Red	24 Vac
514-102-75	Red	110 Vac
514-102-76	Red	230 Vac
514-105-04	Red	20mA
514-105-22	Red	24 Vdc
514-105-25	Red	110 Vdc
514-105-55-15	Red	130 Vdc
514-105-72	Red	24 Vac
514-105-72-19	Red	24 Vac
514-105-75	Red	110 Vac
514-105-76	Red	230 Vac
514-105-76-15	Red	230 Vac
514-111-04	Yellow	20mA
514-111-22	Yellow	24 Vdc
514-111-72	Yellow	24 Vac
514-111-72-19	Yellow	24 Vac
514-111-75	Yellow	110 Vac
514-111-75-19	Yellow	110 Vac
514-111-76	Yellow	230 Vac
514-111-77	Yellow	125 Vac
514-114-04	Green	20mA
514-114-20	Green	5/6 Vdc
514-114-22	Green	24 Vdc
514-114-55-15	Green	130 Vdc
UNITS		

PART NO.	COLOUR	VOLTAGE DC (Vdc) Vopr
514-114-72	Green	24 Vac
514-114-75	Green	110 Vac
514-114-76	Green	230 Vac
514-501-04	Red	20mA
UNITS		

The products listed above illustrate all of the options available to order. These products may have custom modifications that alter their operation beyond the generic information contained within this datasheet. Please contact sales for further information.

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