

● 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 | | |
|---------------------------|--------|------|--------------------------|-------------------------|-------------------------------------|------------------------|------------------------|------------------------|-----------|-----|
| STANDARD INTENSITY | | | | | | | | | | |
| 514-105-21 | Red | | Colour Diffused | 12 | 19 | 100 | 627 | -40 ~ +85 [^] | -40 ~ +85 | Yes |
| 514-111-21 | Yellow | | Colour Diffused | 12 | 20 | 50 | 590 | -40 ~ +85 [^] | -40 ~ +85 | Yes |
| 514-114-21 | Green | | Colour Diffused | 12 | 20 | 60 | 565 | -40 ~ +85 [^] | -40 ~ +85 | Yes |
| 514-105-23 | Red | | Colour Diffused | 24-28 | 20 | 100 | 627 | -40 ~ +85 [^] | -40 ~ +85 | Yes |
| 514-111-23 | Yellow | | Colour Diffused | 24-28 | 20 | 50 | 590 | -40 ~ +85 [^] | -40 ~ +85 | Yes |
| 514-114-23 | Green | | Colour Diffused | 24-28 | 20 | 60 | 565 | -40 ~ +85 [^] | -40 ~ +85 | Yes |
| HIGH INTENSITY | | | | | | | | | | |
| 514-102-04 | Red | | Colour Diffused | 1.9* | 20 | 450 | 660 | -40 ~ +85 [^] | -40 ~ +85 | Yes |
| 514-102-21 | Red | | Colour Diffused | 12 | 20 | 450 | 660 | -40 ~ +85 [^] | -40 ~ +85 | Yes |
| 514-102-23 | Red | | Colour Diffused | 24-28 | 20 | 450 | 660 | -40 ~ +85 [^] | -40 ~ +85 | Yes |
| UNITS | | | Vdc | mA | mcd | nm | °C | °C | | |



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

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

[^] = Products must be derated according to the derating information

How to Order:

website: www.marl.co.uk • email: sales@marl.co.uk •

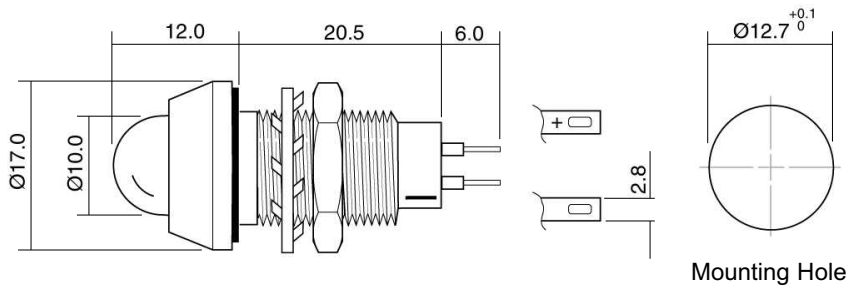
• Telephone +44 (0)1229 582430 • Fax: +44 (0)1229 585155

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514 Series



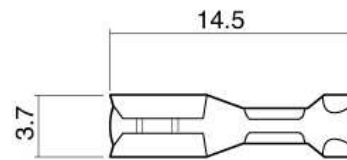
Dimensions in mm (Typical)
Not to scale

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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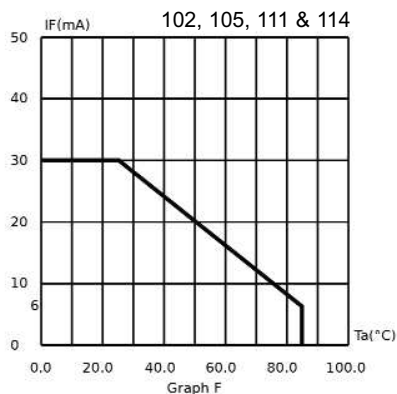
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DERATING INFORMATION



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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