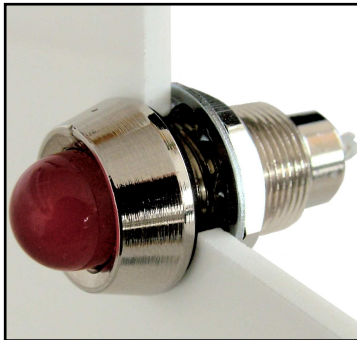


PROFESSIONAL LED INDICATORS Ø12.7mm Mounting

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 λ.p (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 - Refer

to Fig 1

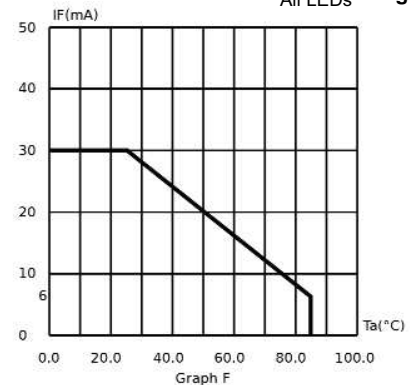
How to Order:

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

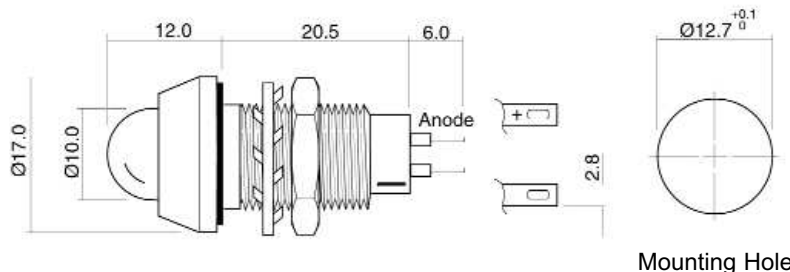
• Telephone +44 (0)1229 582430 • Fax: +44 (0)1229 585155

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All LEDs Fig 1



514 Series



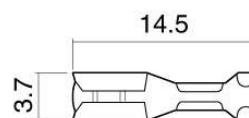
Dimensions in mm (Typical)
Not to scale

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

MATERIALS

PUSH-ON CONNECTORS

| | |
|---------------|---|
| 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 |



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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