



STSRail

P/N SP-6500-1525 – Type A
P/N SP-6500-1556—Type C



Certificate of Acceptance
No. PA05/02830

LED replacement lamps for STS Concentrator Keyboards



LED replacement for incandescent bulbs in STS Rail key-switches

The ‘next generation’ of LED filament lamps has been developed by STS Rail as a direct replacement for filament bulbs in keyboard and custom keypanel products.

The T1^{3/4} sized, midget groove LED filament lamps offer the following technical benefits:

- Improved brightness and colour temperature superior to incandescent bulbs.
- Flat top design offers wide angle viewing and avoids pin-point illumination and hot spots.
- 10 fold increase in product lifetime, with MTBF of 100,000 hours of illumination (equivalent to over 11 years continuous use based on 25°C ambient temperature).
- LEDs use around 70% less energy than filament bulbs with reduced running costs.
- Solid state unit features a single high-intensity warm white LED.
- Unique integral circuitry allows operation up to 60V dc without decreasing lifetime.

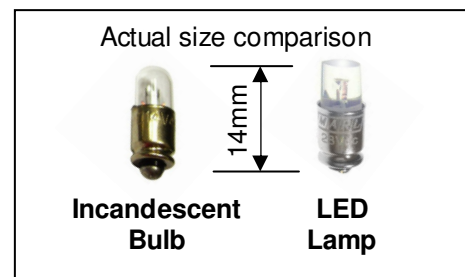
Although more expensive than incandescent bulbs, LED lamps offer maintenance free benefits since their service life is normally greater than the life of the system into which they are fitted.

The key benefits include:

- Reduced maintenance and service disruption.
- Truly reliable “fit-and-forget” solution.
- Reduced spares stock holding.
- Total encapsulation offers complete protection against shock, vibration and breakage.
- Environmentally friendly, RoHS compliant.
- Highly energy efficient with low running costs.
- Virtually no heat generation.
- Compatible with existing lamp removal tools.
- No glass to break and cause injury or damage.
- Manufactured for industrial and rail applications.
- A backward compatible upgrade path for all existing STS Rail’s keyswitches and indicators using two lamp variants:

Type ‘A’ (Anode centre contact) SP-6500-1525

Type ‘C’ (Cathode centre contact) SP-6500-1556



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