

TECHNICAL BULLETIN

TB - 0126

Installation of streetlight fuse carriers

Background

Currently there are two (2) approved styles of fuse carrier in use – one with a straight arm (Supplier part no. DPAVTAUS; Endeavour Energy stock code 1145416) and one with a flexible tail (Supplier part no. DPAVT450; Endeavour Energy stock code 1554641).

There has been confusion over the correct style of fuse carriers and the size of fuse cartridges to be used in columns and pillars and the correct installation methods.

Actions

This bulletin is being released to advise Endeavour Energy staff and ASPs of the following:

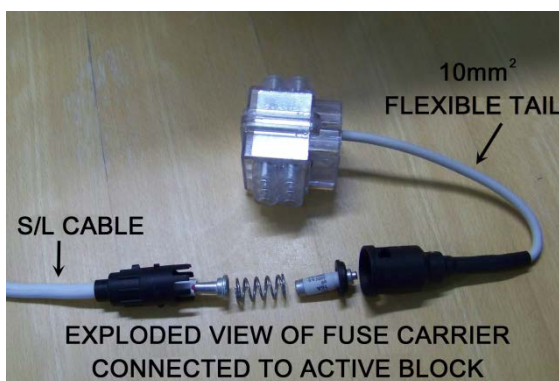
- Lighting Construction Instruction (LCI0001) states in clause 5.1.10 Column fuse – ***“A 10A fuse shall be installed between the terminal block and luminaire, on the active conductor, as shown in Drawing no. 280143”*** and in clause 5.1.11 Fuses in a low voltage pillar or enlarged base column - ***“Where a streetlight (or streetlights) is supplied from LV mains within a pillar, a 16A fuse shall be installed in the pillar, as in Drawing no. 280143.”***
- Only the new style fuse carrier (shown in the photograph at right below) shall be used in both LV pillars and SL columns. **Refer to amended drawing 280143 (am.D)**. The cross sectional area of the flexible tail has been increased to 10mm², while the length has been reduced to 250mm.
- The fuse carriers with a straight arm, right angled arm, and fuse carriers that carry a 4mm² flexible tail shall not be used on the Endeavour Energy Network after 1st. June 2013. These styles are to be made obsolete and all existing stock must be exhausted by 31st. May 2013.

Connection method

Care must be taken to ensure the streetlight cable is securely crimped within the fuse carrier as shown in the photograph (at left below). Sufficient length of cable insulation shall be removed and where 2.5 mm² PVC/PVC conductor is used, the sufficient insulation needs to be stripped (for example 24mm), to enable the conductor strands to be doubled over and twisted.

Both screws in the active block are to be tightened to ensure good contact is achieved.

Note: Streetlight cable from pillar to column can be either 2 single 16 mm² PVC/PVC or twin 16 mm² XLPE/PVC. The streetlight cable within the column to the lantern is 2.5 mm² PVC/PVC.



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