

SAFETY BULLETIN SB2/2018

LV Flashover when inserting a fuse in an LV link box

Background

Whilst inserting a fuse into a Link Disconnecting Box (LDB) the fuse became detached from the carrier and a short circuit occurred causing a flashover between a live phase stalk and the neutral link

Detail

Whilst it was being inserted the fuse came out of the carrier because the screw that holds it in place was not fully tightened. The carrier inadvertently bridged the gap between the live stalk and the boss on the neutral link over the phase barrier and a flash over occurred. The operator was wearing correct PPE including a safety helmet fitted with a visor, but as he hadn't pulled the visor down he received burns to his face.



Actions

- Always check the condition of any fuse prior to fitting it to the carrier and ensure all retaining screws holding the fuse in place on the carrier are tight and have not come loose in transit before inserting it into an LDB.
- Staff are reminded that: *Approved Arc & Fire Retardant (AFR) coveralls, Approved electrical rubber gloves and **Approved full face protection shall be used at all times** while carrying out LV Switching or LV Linking operations.*
- Company policy requires that when operating in an LDB: *'if it is reasonably practicable to do so, insulated link covers or other temporary shrouding material shall be placed over all exposed metalwork'*

This bulletin is issued without prejudice to any investigation and shall be briefed as TBX83