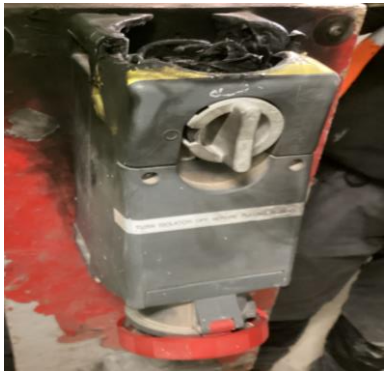
100% Safe SHE ALERT

MORGAN SINDALL CONSTRUCTION

Fire – 32 Amp Commando Isolator

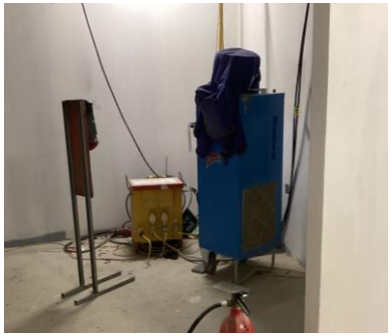


What happened?

A 32 Amp Commando Isolator, that was supplying power to a blow heater, caught alight during operation of the heater. Fortunately, the fire was immediately extinguished, limiting the damage to the isolator only.

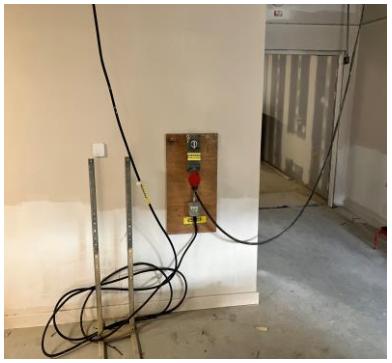
What was the immediate cause of the Incident?

A loose connection within the commando socket. This caused arcing and overheating that ultimately resulted in the fire.



What factors contributed to the incident?

- The commando socket was mounted onto a mobile frame so it could be easily moved around. The type of cabling and socket used is not designed to be regularly moved and this possibly contributed to the loose connection.
- The heater had been drawing significant electrical load for an extended period as it had been running 24 hours a day for 2 weeks.



Action required by all projects

- Commando Isolators/sockets are not portable electrical equipment, and must always be secured in place, either directly to the structure, or to a frame that is secured in place.
- Adequately plan the location and number of commando sockets required to ensure they are located near to equipment. This will remove the need for them to be portable.
- Ensure fire risk assessments are regularly updated, and that newly installed items such as heaters and electrical equipment are considered, particularly their duration of use.

REFERENCE	ISSUED	DISPLAY UNTIL
SHE-ALT-2025_27	DEC 2025	FEB 2026