**Applications:** Street Lighting Columns, Illuminated Signs, Information Signs, CCTV Columns, VAS Signs, VMS Signs

The NAL MOBS (Mechanical Only Breakaway System) is a physical termination for NE or LE Passively Safe Columns. It is a minimum option for isolating the electricity supply to a single structure under impact. The system activation relies on the physical disconnection, on impact of a tethered in-line IP68 Plug and Socket.

The MOBS System is located within an IP67 enclosure which is mounted in the NAL underground STAKKAblox™ Access Chamber. This is a lightweight twin wall structural Access Chamber which is capable of withstanding a 40 tonne vertical load without the need for a concrete surround for support. A galvanised steel eyebolt is provided to enable a secure fixing point within the STAKKAblox™ Access Chamber. The STAKKAblox™ Access Chamber is normally located within 3-5 metres from the structure it is protecting.

The MOBS unit is assembled to your requirements and can accommodate a range of cable sizes from 6mm-25mm 4 core SWA cables. Each unit is provided with 5 metres of flex cable as standard, complete with one IP68 in-line Plug and Sockets. These are mounted and tensioned within the Passively Safe Structure, just below ground level. On impact if the column detaches from it’s base the tensioned in-line Plug and Socket will separate, leaving the detached structure voltage free.

**Important Note:**
This system does not provide an automatic electrical disconnection. It relies on tension being applied to a tethered plug and socket, which will pull apart if the column detaches under impact.

**Please note:**
If column fails to detach, the plug and socket will not disconnect. For zero volt guaranteed disconnection please refer to our above or below ground sis- safety isolation system.
Product Specification

**Operating Voltages**
Up to 400v AC 50/60Hz (3 Phase)

**Enclosure Dimensions**
Height 280mm Depth 130mm Width 280mm

**Terminals**
16mm DIN through terminals as standard
35mm DIN through terminals for larger cables
Multiple linked terminals if requested

**Cable Glands**
Plastic IP68 for the outgoing flex
Brass double seal IP68 glands for incoming SWA cables, 20mm or 25mm

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**MOBS Underground Unit**

**Plan**
- 16 to 35mm DIN terminals
- IP68 brass gland to suit cable size
- Power out flex with IP68 in line plug and socket located within structure

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**STAKKAbox Chamber Arrangement**

**Plan**
- 604mm
- 690mm
- 450mm

**Elevation**
- Equipment shelf bolted to chamber
- 630mm

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**Column**
- IP68 In Line Plug and Socket
- MOBS Underground Unit
- Retention Socket
- 40T STAKKAbox
- Electricity Supply Cable