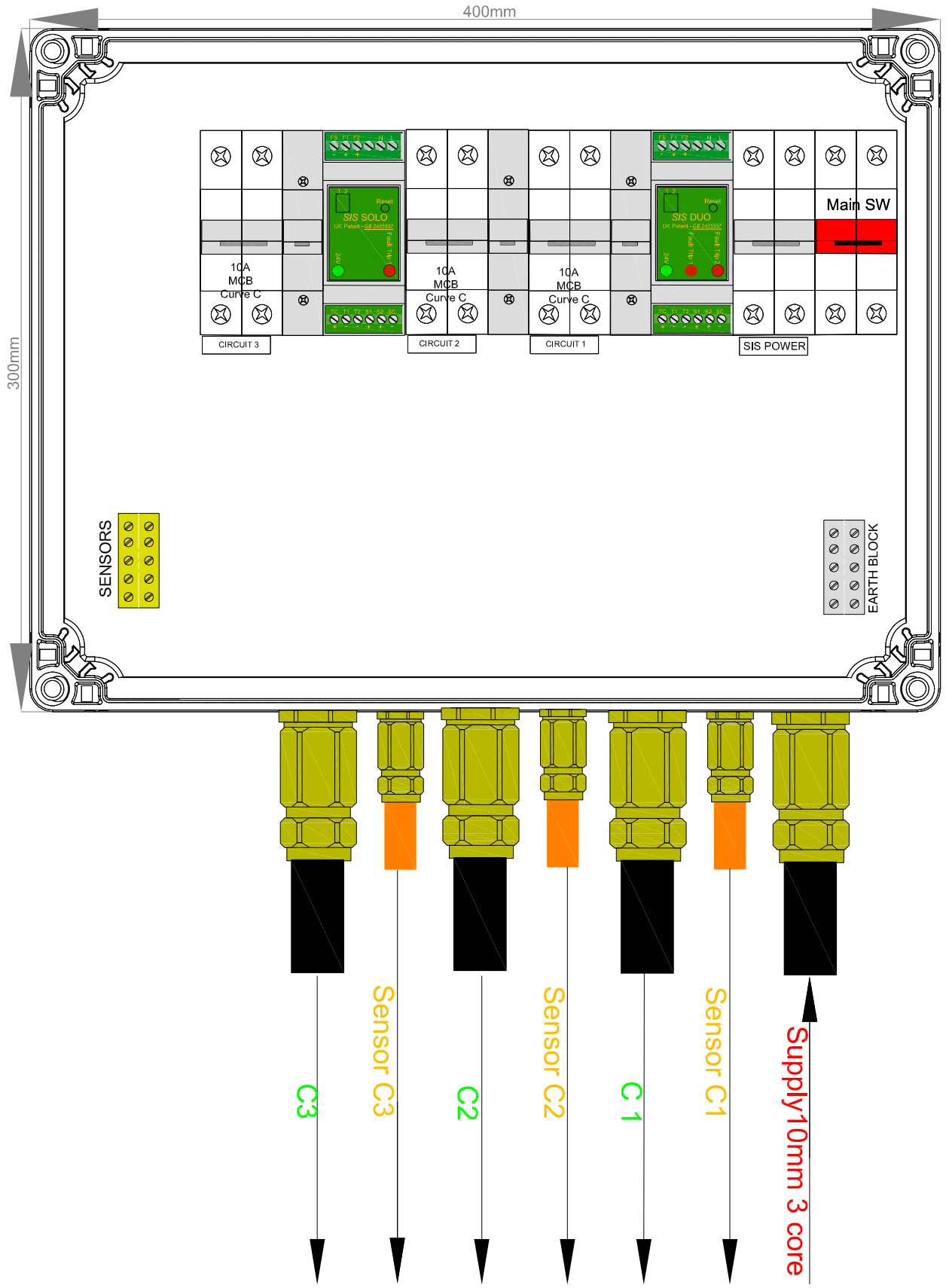
All dimensions in mm

GMULTI-3

SIS SOLO Underground - Standard Layout Loop IN
400 x 300 Enclosure - 6.0 to 10mm Cable



UNDERGROUND SPECIFICATION

1. SIS Electrical Isolation system to provide compliance with BS EN 12767
2. The system will comprise an impact sensor located within the passively safe equipment, a monitoring unit and sensor cable. The monitoring equipment will be located in an adjacent chamber in an IP67 enclosure with a clear lid.
3. To provide optimum safety to maintenance operatives the disconnection system will operate at ELV for the sensor circuit.
4. Sensor to be cabled in 0.75mm 2 core Orange PVC flex.
5. Outgoing circuit to be protected by a 10A double pole circuit breaker.
6. The isolation will be so designed that on impact both live and neutral circuit conductors are disconnected, together with any sensor voltages.
7. Disconnection must be achieved in under 0.4 seconds in accordance with BS EN 12767.
8. The isolation system must give a positive visual indication of trip activation by using an LED or similar.
9. It must not be possible to re-energise a circuit that has been tripped, tripped circuits will require manual intervention to reset.
10. The sensor is to be a mechanical device operated by inertia of greater than 10G. Upon trip activation the power to the sensor is to be removed.
11. The impact sensors should be separate from any supply cutout to prevent LV and ELV voltages being confused. This will also enable safe system testing.
12. Impact sensor to be mounted securely and vertically within/on the column or sign.

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