

160 Amp Single Phase Cut-Out Installation Guide

**Beware of LIVE customer tails. Always test and cap.
Remember the Five Golden Rules**

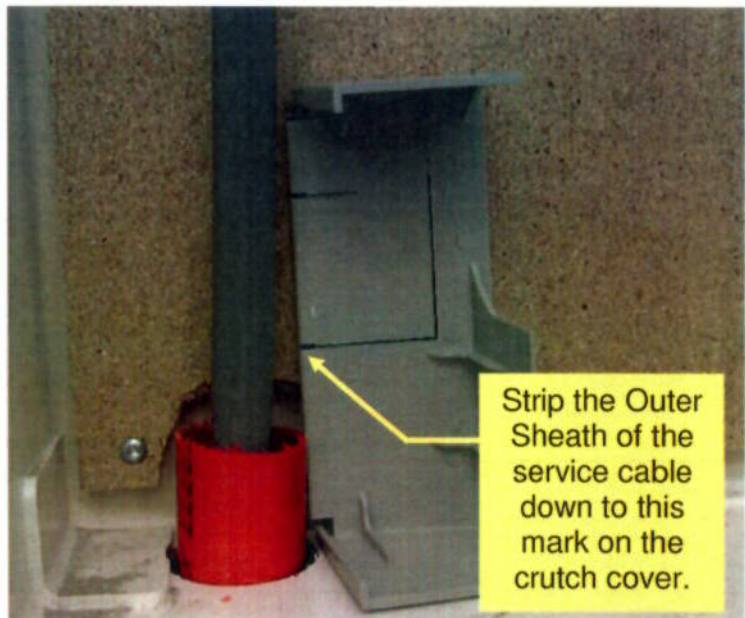
Associated Job Aids

1. Single Phase CT Installation - 2. Electricity - 3. Voltage and Polarity Verification
4. Use of LV Test Instruments - 5. Slips, Trips and Falls - 6. Falling Objects - 7. Use of Tools

This cut-out is intended for use on Single Phase CT Metering or on Whole Current Metering in an outside cabinet where the service cable is larger than 35/25 concentric. The terminals on this cut-out can accommodate from 70/50 and 120/70 without conductor reducers.

1. With the Service Cable entering the meter cabinet at least 400mm, use the markings on the inside of the Crutch Cover as a guide where to strip the service cable.

2. Unwrap and bend the copper strands down and to the right of the cable.



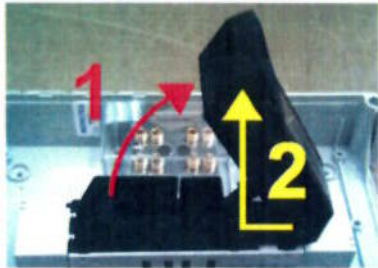
Cut and strip
using
markings on
crutch cover



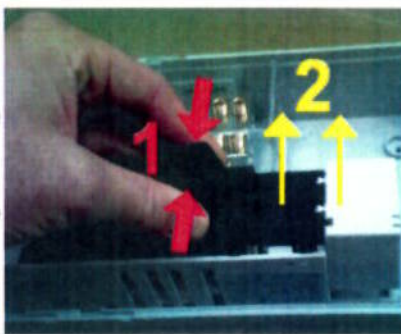
3. Group and wrap the neutral conductor with insulating tape.

4. Cut and strip the aluminium phase conductor using the marks on the Crutch Cover.

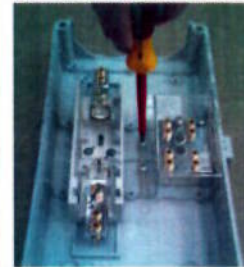
5. Remove the cut-out cover and the fuse holder/handle.



6. Gently squeeze the black parts of the shroud together to remove the terminal shrouds.



7. Remove the neutral block shroud

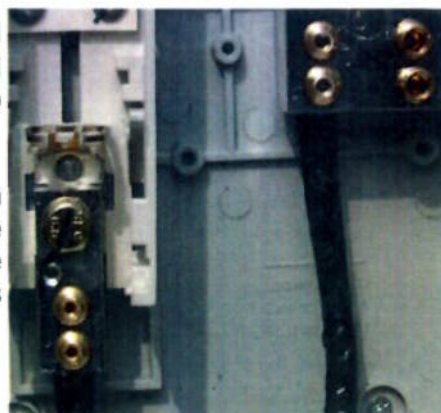


8. Wire brush the aluminium conductor and apply contact grease to the phase and place the cut-out on the phase conductor. Fix the cut-out to the back board with the crutch cover fitted so that the crutch cover is touching the bottom of the box. The cut-out must be 5mm from the left side of the meter cabinet.



9. Line up the neutral conductor with the neutral block. Cut and strip accordingly.

10. Using a 5mm Alan headed T bar (code 8142850) tighten the phase & neutral terminals by hand.



When the terminal is tight enough the screw head will shear off.

11. Where a Whole Current meter is required it should be installed as shown. The conductors to the meter should pass through the knock out hole and grommet as shown.

12. Replace the phase and neutral terminals shrouds.



13. After the cut-out and meter have been safely energised, seal all four cover screws.

Store Codes	
160 amp Cut-out	4688164
CT Enclosure Complete with CT, Terminal rail and Wiring	3610625
80 amp NH00 Fuse	4645341
100 amp NH00 Fuse	4645342
160 amp NH00 Fuse	4645343
Single Phase CT Meter	4175011

ALWAYS COMPLETE POLARITY AND LOOP IMPEADANCE TESTS

Issued 04-2011

Revision 1

MAM No-001-11

Issued by Technical Development & Meter Asset Management, ESB Networks