



- NOTES:**
- ALL PANELS, CABLING, AND EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE HIGH VOLTAGE METERING REQUIREMENTS SETOUT IN ES3
  - THE AC FUSE/TEST LINK/TERMINATIONS FUNCTION TABLE OR EQUIVALENT IS TO BE PRINTED OUT, LAMINATED AND APPROPRIATELY ATTACHED TO THE REAR OF THE PANELS ENCLOSURE ACCESS DOOR OR LID, OR ON THE PANEL ITSELF IF AN ENCLOSURE IS NOT USED.
  - PART NUMBERS QUOTED IN THIS DOCUMENT REFER TO COMMONLY USED EQUIPMENT AND SHOULD BE USED AS A GUIDE. ALL PARTS CAN BE OF THE SAME TYPE OR EQUIVALENT.
  - DIN MOUNTED EQUIPMENT COVER - ALL LINKS AND FUSES AT THIS TEST POINT MUST HAVE A SEALABLE COVER THAT WHEN IN POSITION NON CONDUCTOR IS EXPOSED AND HAS THE FACILITY TO BE APPROPRIATELY SEALED BY THE APPROVED METER PROVIDER. WHEN THE METERING IS INSTALLED OUTSIDE IN ENVIRONMENTS WITH HIGH LEVELS OF AIR BOURNE PARTICLES SUCH AS; COAL DUST ETC., THE PANEL ENCLOSURE SHALL BE RATED TO A MINIMUM OF IP55 TO PREVENT THE INGRESS OF SUCH MATTER.
  - THE INCOMING CT AND VT TERMINATIONS (X1, X2 & X3), MUST HAVE A COVER THAT PREVENTS CONTACT WITH LIVE EXPOSED CONDUCTORS AND HAS THE FACILITY TO BE APPROPRIATELY SEALED BY THE APPROVED METER PROVIDER.
  - IF CHECK METERING IS TO BE INSTALLED, A SEPARATE 600mm (h) X 600MM (w) ENCLOSURE MUST BE INSTALLED TO ACCOMMODATE THE CHECK METERING AND ASSOCIATED EQUIPMENT.
  - ALL LABELS C1 - C20 & C23 - C24 TO BE ENGRAVED TYPE IN WHITE WITH BLACK LETTERING. ADEQUATE ADHESIVE TO BE APPLIED TO REAR OF LABEL FOR FIXING TO PANEL.
  - THE FUSE/LINK BASE AND HOLDER LABELS C6 - C9 & C10 TO C14, SHALL HAVE A LABEL ON BOTH THE BASE AND FUSE HOLDER.
  - TEST LINKS 05 - 14 SHALL HAVE PUSH IN TERMINAL MARKINGS (OR EQUIVALENT) TO IDENTIFY THE LINK NUMBER.
  - IF LABEL C21 & C22 ARE TO BE INSTALLED OUTDOORS, IT SHALL BE MADE FROM UV RATED MATERIAL. IF AN ENCLOSURE IS USED IT SHALL BE FIXED TO THE ENCLOSURE LID WITH BOLTS AND SELF LOCKING NUTS. CARE SHOULD BE TAKEN TO ENSURE THE IP RATING OF THE ENCLOSURE IS MAINTAINED. IF THE METERING PANEL IS INSTALLED INDOORS AND AN ENCLOSURE IS NOT USED, THE LABEL SHALL BE FIXED TO THE FRONT OF THE PANEL.
  - THE BRIDGING LINKS ARE ONLY REQUIRED IF A 4 WIRE SYSTEM IS USED FOR THE INCOMING CURRENT CIRCUIT.
  - ALL METAL COMPONENTS INCLUDING EQUIPMENT DIN RAIL SHALL BE BONDED TO EARTH.
  - A STICKER SIMILAR TO THAT SHOWN SHALL BE PLACED AS CLOSE A PRACTICABLE TO THE AUXILIARY TRANSFORMER FUSE INDICATING THAT THE VOLTAGE WITHIN IS 240V.
  - THE 240V INCOMING TERMINATIONS (X3) SHALL HAVE A COVER THAT PREVENTS CONTACT WITH LIVE EXPOSED CONDUCTORS, A STICKER SIMILAR TO THAT SHOWN SHALL BE PLACED ON THE COVER INDICATING THAT THE VOLTAGE WITHIN IS 240V.
  - THE AUXILIARY SUPPLY VT SHOWN IS FOR ILLUSTRATION PURPOSES ONLY.
  - IT IS PREFERENCE THAT THE INSTALLED METER SHALL HAVE AN INTERNAL CHANGEOVER SCHEME IN THE EVENT THAT THE AUXILIARY SUPPLY FAILS.

**AC FUSE/TEST LINK/TERMINATIONS FUNCTION TABLE**

ITEM	ITEM	RATING	ITEM FUNCTION	MAKE	TYPE
METERING	CHECK METERING				
FS01	FS01	4A	METER 110V VT POTENTIAL FUSE - REDØ	ALSTOM	SAFECLIP SC20H BLACK
LK02	LK02	4A	METER 110V VT POTENTIAL FUSE - WHITEØ	ALSTOM	SAFECLIP SC20H BLACK
FS03	FS03	4A	METER 110V VT POTENTIAL FUSE - BLUEØ	ALSTOM	SAFECLIP SC20H BLACK
FS04	FS04	LINK	METER 110V VT POTENTIAL LINK - NEUTRAL	ALSTOM	SAFECLIP SC20HWH WHITE
LK05	LK05	-	METER POTENTIAL TEST LINK - REDØ	PHOENIX	URTK/S
LK06	LK06	-	METER POTENTIAL TEST LINK - WHITEØ	PHOENIX	URTK/S
LK07	LK07	-	METER POTENTIAL TEST LINK - BLUEØ	PHOENIX	URTK/S
LK08	LK08	-	METER POTENTIAL TEST LINK - NEUTRAL	PHOENIX	URTK/S
LK09	LK09	-	METER CURRENT TEST LINK - REDØ POLARITY	PHOENIX	URTK/S
LK10	LK10	-	METER CURRENT TEST LINK - REDØ NON POLARITY	PHOENIX	URTK/S
LK11	LK11	-	METER CURRENT TEST LINK - WHITEØ POLARITY	PHOENIX	URTK/S
LK12	LK12	-	METER CURRENT TEST LINK - WHITEØ NON POLARITY	PHOENIX	URTK/S
LK13	LK13	-	METER CURRENT TEST LINK - BLUEØ POLARITY	PHOENIX	URTK/S
LK14	LK14	-	METER CURRENT TEST LINK - BLUEØ NON POLARITY	PHOENIX	URTK/S
FS15	FS15	2A	AUXILIARY SUPPLY 110V POTENTIAL FUSE	ALSTOM	SAFECLIP SC20H BLACK
FS16	FS16	2A	AUXILIARY SUPPLY 110V POTENTIAL FUSE	ALSTOM	SAFECLIP SC20H BLACK
FS17	FS17	2A	COMMUNICATIONS 110V POTENTIAL FUSE	ALSTOM	SAFECLIP SC20H BLACK
FS18	FS18	2A	COMMUNICATIONS 110V POTENTIAL FUSE	ALSTOM	SAFECLIP SC20H BLACK
FS19	FS19	2A	240V AC SUPPLY POTENTIAL FUSE	ALSTOM	SAFECLIP SC20H BLACK
X1	X1	-	REAR OF PANEL INCOMING CT AND VT TERMINATIONS	UTILUX	H3820
X2	X2	-	REAR OF PANEL INCOMING 110V SUPPLY TERMINATIONS	UTILUX	H3820
X3	X3	-	REAR OF PANEL INCOMING 240V SUPPLY TERMINATIONS	UTILUX	H3820