



NOTE:
REFER TO 33kV STANDARD CONSTRUCTION DRAWINGS FOR 33kV THROUGH TERMINATION CONSTRUCTION OPTIONS

- NOTES :**
1. A MINIMUM DISTANCE OF 2500 BETWEEN HIGH & LOW VOLTAGE CONDUCTORS IS TO BE MAINTAINED AT ALL TIMES TO ALLOW FOR LIVE LINE WORKING PROCEDURES.
 2. THE DESIGNER IS TO DETERMINE THE POLE DIAMETER TO ENSURE ELECTRICAL CLEARANCES TO CENTRE PHASE SWITCHING MECHANISM CAN BE MAINTAINED. REFER TO DRG : 225814 FOR ALTERNATE ABS IF REQUIRED.
 3. CLEARANCES :
SOURCE - A.S.2067 (33kV)
PHASE TO PHASE - 440mm
PHASE TO EARTH - 380mm
 4. INSTALL AIRBREAK SWITCH ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
 5. OPERATING MECHANISM MUST BE INSTALLED ON THE FOOTPATH SIDE OF THE POLE. INSTALLATION ON THE ROAD SIDE OF THE POLE IS NOT ACCEPTABLE.
 6. EYE COACH SCREW TO BE INSTALLED 2m ABOVE GROUND LEVEL ON FOOTPATH SIDE OF POLE FOR ATTACHMENT OF OPERATOR'S "DANGER DO NOT OPERATE" TAG.
 7. FOR 12.5m POLE CUT INNER STEEL PIPE DOWN TO 1000mm MINIMUM, 1300mm MAXIMUM.

NOTE:
REFER TO FOR LV STANDARD CONSTRUCTION DRAWINGS FOR LV CONSTRUCTION OPTIONS

DISCONNECTOR RATINGS			
VOLTAGE	U	33	kV
LIWV	UL	200	kVp
NORMAL CURRENT	In	800	A
FREQUENCY	-	50	Hz
STWC	Ith	25	kA
DURATION OF STWC	+	1	s
CREEPAGE		1065	mm
RATED MAKING CURRENT		20	kApeak
MASS		182	kg

18	WASHER - FLAT, M20, GALVANISED	518081	177986	3
17	NUT - M10, HEX., STAINLESS STEEL	515467	H39401	12
16	BRACKET - MOUNTING FOR OPERATING MECHANISM		179824	1
15	WASHER - FLAT, M12, GALVANISED	518081	177982	4
14	WASHER - CONICAL, M12, GALVANISED	518082	H39639	1
13	SCREW - COACH, EYE, M6, GALVANISED		PURCHASE	1
12	STEP - POLE		H17720	A/R
11	BOLT & NUT - M12, HEX., GALVANISED (LENGTH TO SUIT POLE)	515466		2
10	BOLT - COACH, M12x50, GALVANISED		50476	2
9	LUG - COMPRESSION, 2xM10 HOLES (TO SUIT CONDUCTOR)	514053	-	6
8	WASHER - SPRING, M10, STAINLESS STEEL	518082	50120	12
7	WASHER - FLAT, M10, STAINLESS STEEL	518081	49411	24
6	WASHER - CONICAL, M20, GALVANISED	518082	H39655	3
5	WASHER - SQUARE, 50x50x6mm, GALVANISED (Ø22mm HOLE)	518081	H39265	3
4	SCREW - SET, M10x30mm, HEX., STAINLESS STEEL	515467	45088	12
3	BOLT & NUT - M20, HEX., GALVANISED (LENGTH TO SUIT POLE)	515466	-	3
2	DISCONNECTOR - 36kV, UNITISED, LOAD BREAK, MODULAR		H27642	1
	DISCONNECTOR - 36kV, UNITISED, LOAD BREAK, ASSEMBLED		H101634	1
1	POLE - AS REQUIRED		-	1

ITEM	DESCRIPTION	DRAWING No.	STOCK CODE	QTY
STANDARD CONSTRUCTION				
33kV INSULECT				
MID POLE OPERATED AIR BREAK SWITCH				
FOR TIMBER, CONCRETE & STEEL POLES				
GENERAL ARRANGEMENT 4-455				
SCALE	1:20			
DESIGNED	BILL GRAHAM			
DRAWN	PATRICIA RIOS			
CHECKED	WILLIAM GRAHAM			
APPROVED	STEPHEN CONNOR			
DATE	12/12/2006			
PROJECT NUMBER	STD			
TRIM REF NUMBER	-	SIZE	DRAWING No	SHEET
		A2	166707	1
				REV
				5

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS	DWN: PATRICIA RIOS	CHKD: PHILLIP JONES	DATE: 20/10/2015	TABLE AMENDED. NOTATION ON ITEM 13 CHANGED.
APPD BY: GLENN FORD	DWN: P.R.	CHKD: P.J.	APPD: G.F.	DATE: 07/04/2026 TITLE CHANGED FROM AK POWER TO INSULECT. NORMAL CURRENT RATING AMENDED.

STANDARD CONSTRUCTION 33kV 800A AEM ABS 4-455L	225814
ASSOCIATED DRAWINGS	

NETWORK STANDARD

42 HONEYSUCKLE DRIVE,
NEWCASTLE WEST NSW 2300