



- NOTES:**
- A MINIMUM DISTANCE OF 2500mm BETWEEN HIGH AND LOW VOLTAGE CONDUCTORS IS TO BE MAINTAINED AT ALL TIMES TO ALLOW FOR LIVE LINE WORKING PROCEDURES.
  - CLEARANCES:  
SOURCE - A.S.2067 (24kV)  
PHASE TO PHASE - 325mm  
PHASE TO EARTH - 270mm
  - INSTALL AIR BREAK SWITCH ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
  - OPERATING MECHANISM MUST BE INSTALLED ON THE FOOTPATH SIDE OF THE POLE. INSTALLATION ON THE ROAD SIDE OF THE POLE IS NOT ACCEPTABLE.
  - EYE COACH SCREW/BOLT TO BE INSTALLED 2m ABOVE GROUND LEVEL ON FOOTPATH SIDE OF POLE FOR ATTACHMENT OF OPERATORS "DANGER DO NOT OPERATE" TAG.
  - AIR BREAK SWITCH MAY BE SUPPLIED WITH ALTERNATIVE COMPONENTS RESULTING IN AN EXTRA 58mm OF HEIGHT. ENSURE MINIMUM 700mm OF SEPARATION IS MAINTAINED FROM THE CENTRE OF THE HV CROSSARM.
  - POLE STEPS ARE TO BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF NS128.
  - WHEN INSTALLING AN ABS ON A CONCRETE OR STEEL POLE, REPLACE THE SUPPLIED EYE COACH SCREW WITH AN M12 GALVANISED EYE BOLT. (ITEM 16)
  - REFER TO DESIGNER SAFETY REPORT D21/78521 FOR ATYPICAL HAZARDS ASSOCIATED WITH THIS STANDARD CONSTRUCTION.

DISCONNECTOR RATINGS			
VOLTAGE	U	24	kV
LIVV	UL	150	kVp
NORMAL CURRENT	In	630	A
FREQUENCY	-	50	Hz
STWC	Ith	12.5	kA
DURATION OF STWC	+	3	s
CREEPAGE		800	mm
MASS		80	kg

ITEM	DESCRIPTION	DRG. No	STOCK CODE	QTY
17	STEP - POLE (FOR USE ON COMPOSITE POLES) (SEE NOTE 7)	244223	184743	
	STEP - POLE (FOR USE ON CONCRETE & STEEL POLES) (SEE NOTE 7)	514084	H87809	A/R
	STEP - POLE, SCREW-IN (FOR USE ON TIMBER POLES) (SEE NOTE 7)	250144	185198	
16	BOLT - EYE, M12, GALVANISED (FOR USE ON CONCRETE & STEEL POLES) (SEE NOTES 5 & 8)		PURCHASE	1
15	WASHER - FLAT, M12, GALVANISED	518081	177982	4
14	WASHER - CONICAL, M12, GALVANISED	518082	H39639	2
13	WASHER - SQUARE, 50x50x6mm, GALVANISED (Ø14mm HOLE)			2
12	BOLT & NUT - M12, HEX., GALVANISED (LENGTH TO SUIT POLE)	515466		2
11	LUG - COMPRESSION, 2xM10 HOLES (TO SUIT CONDUCTOR)	514053		6
10	NUT - M10, HEX., STAINLESS STEEL	515467	H39401	12
9	WASHER - SPRING, M10, STAINLESS STEEL	518082	50120	12
8	WASHER - FLAT, M10, STAINLESS STEEL	518081	49411	24
7	SCREW - SET, M10x30mm, HEX., STAINLESS STEEL	515467	45088	12
6	WASHER - FLAT, M20, GALVANISED	518081	177986	3
5	WASHER - CONICAL, M20, GALVANISED	518082	H39655	3
4	WASHER - SQUARE, 75x75x6mm, GALVANISED (Ø22mm HOLE)	518081	H39231	6
3	BOLT & NUT - M20, HEX., GALVANISED (LENGTH TO SUIT POLE)	515466		3
2	DISCONNECTOR - 12/24kV, LOAD BREAK, MODULAR (SEE NOTES 3, 4 & 6)		H95406	1
	DISCONNECTOR - 12/24kV, LOAD BREAK, UNITISED (SEE NOTES 3, 4 & 6)		66647	
1	POLE - AS REQUIRED			1

CAD DRAWING  
DO NOT MANUALLY AMEND  
AMENDMENTS  
DWN: PATRICIA RIOS  
CHKD: PHILLIP JONES  
DATE: 30/04/2021  
DRAWING TITLE AMENDED.  
APPD by: GLENN FORD

SCALE	DESIGNED	DRAWN	CHECKED	APPROVED	DATE	PROJECT NUMBER	PROJTRAK NUMBER
1:20	P.JONES	P.RIOS	C.ROSKELL	G.FORD	31/03/2021	STD	-

12/24 AK POWER AIR BREAK SWITCH 255645 SH1

ASSOCIATED DRAWINGS

NETWORK STANDARD

145 NEWCASTLE RD WALLSEND, NSW 2287

STANDARD CONSTRUCTION		SIZE	DRAWING No	SHEET	AMD
22kV NGK STANGER		A2	255645	02	1
MID POLE OPERATED AIR BREAK SWITCH					
FOR TIMBER, COMPOSITE, CONCRETE & STEEL POLES					
GENERAL ARRANGEMENT 3-455					