



- 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. CLEARANCES :  
SOURCE - A.S.2067 (24kV)  
PHASE TO PHASE - 325mm  
PHASE TO EARTH - 270mm
  3. INSTALL AIRBREAK SWITCH ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
  4. OPERATING MECHANISM MUST BE INSTALLED ON THE FOOTPATH SIDE OF THE POLE. INSTALLATION ON THE ROAD SIDE OF THE POLE IS NOT ACCEPTABLE.
  5. EYE COACH SCREW/BOLT TO BE INSTALLED 2m ABOVE GROUND LEVEL ON FOOTPATH SIDE OF POLE FOR ATTACHMENT OF OPERATOR'S "DANGER DO NOT OPERATE" TAG.
  6. FOR 12.5m POLE CUT INNER STEEL PIPE DOWN TO 1000mm MINIMUM, 1300mm MAXIMUM.
  7. POLE STEPS ARE TO BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF NS128.
  8. WHEN INSTALLING AN ABS ON A CONCRETE OR STEEL POLE, REPLACE THE SUPPLIED DOWN ROD GUIDE WITH THE GUIDE ASSEMBLY SPECIFIED FOR CONCRETE OR STEEL POLES. (ITEM 19)
  9. REFER TO DESIGNER SAFETY REPORT D20/175853 FOR ATYPICAL HAZARDS ASSOCIATED WITH THIS STANDARD CONSTRUCTION.

DISCONNECTOR RATINGS			
VOLTAGE	U	24	kV
LIWV	UL	150	kVp
NORMAL CURRENT	In	630	A
FREQUENCY	-	50	Hz
STWC	Ith	25	kA
DURATION OF STWC	+	1	s
CREEPAGE		1065	mm
RATED MAKING CURRENT		20	kApeak
MASS		133.5	kg

ITEM	DESCRIPTION	DRAWING No.	STOCK CODE	QTY
19	GUIDE - AIR BREAK SWITCH, DOWN ROD, ASSEMBLY (FOR USE ON CONCRETE & STEEL POLES) (SEE NOTE 8)	156818		1
18	WASHER - FLAT, M20, GALVANISED	518081	177986	3
17	WASHER - SQUARE, 50x50x6mm, GALVANISED (Ø14mm HOLE)			2
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	BOLT - EYE, M12, GALVANISED (FOR USE ON CONCRETE & STEEL POLES)		PURCHASE	1
	SCREW - COACH, EYE, M6, GALVANISED (FOR USE ON TIMBER & COMPOSITE POLES)		PURCHASE	
	STEP - POLE (FOR USE ON COMPOSITE POLES) (SEE NOTE 7)	244223	184743	
12	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	
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, 75x75x6mm, GALVANISED (Ø22mm HOLE)	518081	H39231	6
4	BOLT & NUT - M10x30mm, HEX., STAINLESS STEEL	515466	45088/H39401	12
3	BOLT & NUT - M20, HEX., GALVANISED (LENGTH TO SUIT POLE)	515466		3
2	DISCONNECTOR - 12/24kV, UNITISED, LOAD BREAK, MODULAR		H95406	1
	DISCONNECTOR - 12/24kV, UNITISED, LOAD BREAK, ASSEMBLED		66647	
1	POLE - AS REQUIRED			1

F	CAD DRAWING DO NOT MANUALLY AMEND A M E N D M E N T S	10
	DWN: P.R. CHKD: P.J. APPD: G.F. DATE: 02/11/2023 SPRING MECHANISM REMOVED FROM ABS.	
F	DWN: P.J. CHKD: P.J. APPD: G.F. DATE: 06/03/2024 ASSOCIATED DRAWING TITLE AMENDED	11

11kV NGK STANGER AIR BREAK SWITCH	175902 SH2
ASSOCIATED DRAWINGS	

NETWORK STANDARD

145 NEWCASTLE RD WALLSEND, NSW 2287

SCALE	1:20	STANDARD CONSTRUCTION 11kV INSULECT MID POLE OPERATED AIR BREAK SWITCH FOR TIMBER, COMPOSITE, CONCRETE & STEEL POLES GENERAL ARRANGEMENT 2-455
DESIGNED	BILL GRAHAM	
DRAWN	PATRICIA RIOS	
CHECKED	WILLIAM GRAHAM	
APPROVED	DENNIS SIMPSON	
DATE	05/06/06	
PROJECT NUMBER	NET STD	
PROJ/TRAK NUMBER	-	
SIZE	A2	DRAWING No
		175902
SHEET	1	AMD
		11