



NOTE:
REFER TO 11kV STANDARD CONSTRUCTION DRAWINGS FOR 11kV 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. 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

CAD DRAWING
DO NOT MANUALLY AMEND
AMENDMENTS
DWN: PATRICIA RIOS
CHKD: PHILLIP JONES
DATE: 13/02/2018
CHANGED TO NGK STANGER TYPE. NOTES, DETAILS & MATERIAL LIST.
APPD by: GLENN FORD
DWN: PATRICIA RIOS
CHKD: PHILLIP JONES
DATE: 16/03/2018
CHANGED BACK TO AK POWER TYPE.
SHEET 2 ADDED FOR NGK STANGER TYPE.
APPD by: GLENN FORD
DWN: PATRICIA RIOS
CHKD: PHILLIP JONES
DATE: 29/04/2020
OPTIONS FOR COMPOSITE POLES ADDED. NOTES & MATERIAL LIST AMENDED.
APPD by: GLENN FORD

ITEM	DESCRIPTION	DRAWING No.	STOCK CODE	QTY
12/24	NGK STANGER AIR BREAK SWITCH		175902 SH2	

ASSOCIATED DRAWINGS

NETWORK STANDARD
Ausgrid
145 NEWCASTLE RD WALLSEND, NSW 2287

SCALE	DESIGNED	CHECKED	APPROVED	DATE	PROJECT NUMBER	PROJTRAK NUMBER	SIZE	DRAWING No.	SHEET	AMD
1:20	BILL GRAHAM	PATRICIA RIOS	WILLIAM GRAHAM	05/06/06	NET STD	-	A2	175902	01	8

STANDARD CONSTRUCTION
12/24kV AK POWER
MID POLE OPERATED AIR BREAK SWITCH
FOR TIMBER, COMPOSITE, CONCRETE & STEEL POLES
GENERAL ARRANGEMENT 2-455