



**MV Spares suitable for 8BK80
Old Panel VCB Type 3AH3 36kV
31.5kA 1250A to 2500**

SIEMENS









Electrical Components commonly used in 3AH5 / 3AH3 / 3AH0 / 3AK / 3AF IVCB / 3AF OVCB

Description of products	Remarks Resistance at 20° C	Snaps of Products
Closing / Tripping Coil: Rating - 24V to 250V DC (3AY1510)	4.2 OHM	<p>Closing / Tripping Coil (Y1/Y9)</p> 
Spring Charging Motor (M1) - 110V AC / V DC	110V DC	 <p>For Gear Box - drive mechanism Motor</p>
Spring Charging Motor (M1) - 220V AC / V DC	220V DC	
2ND SHUNT REL 24V to 220V DC	3AX1101-2B	
2ND SHUNT REL 100-230V AC 50Hz	3AX1101-2G	
2ND SHUNT REL 48V-60V DC	3AX1101-2C	
Wire bunch without Accessories		







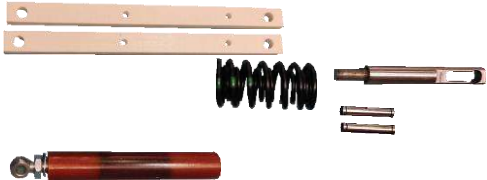

Description of Additional Trip Coil CT Operated, Undervoltage Coil	Remarks	Snap of Products
CT OPERAT. RELEASE 0.5A	3AX1102-2A	
Under Voltage release 240V AC, 50HZ	3AX1103-2M	
Under Voltage release 100V to 240V AC, 60HZ	3AX1103-3G	
Under Voltage Coil 24V to 220V DC	3AX1103-2B	
U/V REL 100V to 230V AC, 50HZ	3AX1103-2G	
Limit (Snap) switch	Minimum Order Qty of 5 Nos.	
Auxiliary switch 6NO+6NC (3SV92 74)	Installation At Switch Off Block	
Auxiliary switch 12NO+12NC (3SV92 74)		
Test / Service Position switch (4NO+4NC)	Installation at Drive Box	

Description of Antipumping Contactor	Remarks	Snaps of Products
Anti-pumping contactor, 2NO+2NC - 24V to 220V DC	Installation near Switch Off Block	
Anti-pumping contactor, 2NO+2NC - 110V AC		
Rectifier		
Male Pin for 64 Assembly		
Female Pin for 64 Assembly		
64 Plug Pin Assembly		
24 / 32 Plug Pin Assembly		
Oil & grease	For Moving Parts Maintenance Parts	
		




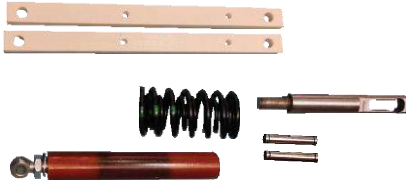

Pole Spares 3AH3 36kV, 31.5kA, 1250 Amp for one VCB

Sr. No.	Spare Requirements	Product Descriptions	Rating	Images
1	Mandatory – Pole Assembly	Vacuum Interrupteur + Eye bolt M12X60 VS30029	1250 to 2500 Amp	
2	Mandatory – Pole Assembly	Top Flange	1250 Amp	
3	Mandatory – Pole Assembly	Bottom Flange	1250 Amp	
4	Mandatory – Pole Assembly	Insulator Dia 98X 300 mm	1250 to 2500 Amp	
5	Mandatory – Pole Assembly	Current Link	1250 Amp	
6	Mandatory – Pole Assembly	SPACER for Insulator 36kV	Upto 2500 Amp	
7	Mandatory – Pole Assembly	Switching Bar Assembly with FRP struts Switching bar assembly - 3x	Upto 2500 Amp	
8	Mandatory – Pole Assembly	Copper Spacer - 3x 1250 / 2000 / 2500 amp (Cu 40 Dx121L)	Upto 2500 Amp	

Pole Spares 3AH3 36kV, 31.5kA, 2000 Amp for one VCB






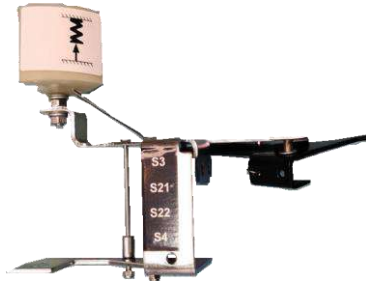
Sr. No.	Spare Requirements	Product Descriptions	Rating	Images
1	Mandatory – Pole Assembly	Vacuum Interrupteur + Eye bolt M12X60 VS30029	1250 to 2500 Amp	
2	Mandatory – Pole Assembly	Top Flange	2000 Amp	
3	Mandatory – Pole Assembly	Bottom Flange	2000 Amp	
4	Mandatory – Pole Assembly	Insulator Dia 98X 300 mm	1250 to 2500 Amp	
5	Mandatory – Pole Assembly	Current Link –	2000 Amp	
6	Mandatory – Pole Assembly	SPACER for Insulator 36kV	Upto 2500 Amp	
7	Mandatory – Pole Assembly	Switching Bar Assembly with FRP struts Switching bar assembly - 3x	Upto 2500 Amp	
8	Mandatory – Pole Assembly	Copper Spacer - 3x 1250 / 2000 / 2500 amp (Cu 40 Dx121L)	Upto 2500 Amp	

Pole Spares 3AH3 36kV, 31.5kA, 2500 Amp for one VCB








Sr. No.	Spare Requirements	Product Descriptions	Rating	Images
1	Mandatory – Pole Assembly	Vacuum Interrupteur + Eye bolt M12X60 VS30029	1250 to 2500 Amp	
2	Mandatory – Pole Assembly	Top Flange	2500 Amp	
3	Mandatory – Pole Assembly	Bottom Flange	2500 Amp	
4	Mandatory – Pole Assembly	Insulator Dia 98X 300 mm	1250 to 2500 Amp	
5	Mandatory – Pole Assembly	Current Link –	2500 Amp	
6	Mandatory – Pole Assembly	SPACER for Insulator 36kV	Upto 2500 Amp	
7	Mandatory – Pole Assembly	Switching Bar Assembly with FRP struts Switching bar asseembly - 3x	Upto 2500 Amp	
8	Mandatory – Pole Assembly	Copper Spacer - 3x 1250 / 2000 / 2500 amp (Cu 40 Dx121L)	Upto 2500 Amp	

Mechanism Spares for 3AH3 36kV, 31.5kA, 1250 to 2500 Amp for one VCB

Sr. No.	Spare Requirements	Product Descriptions	Rating	Images
1	Mandatory	Gearbox + Gasket	All	
2	Mandatory	Switch Off Block	All	
3	Mandatory	Shock Absorber D2	All	
4	Mandatory	31.5kA Switch On Spring With Bush (Yellow)	All	
5	Mandatory	Switch Off Spring (Red)	All	
6	Mandatory	Operation Counter	All	
7	Mandatory	Mechanical Interlock	All	
8	Mandatory	Spring charging handle	All	

Sr. No.	Spare Requirements	Product Descriptions	Rating	Images
9	Mandatory	Damping Plate Assembly	All	
10	Mandatory	Drive Box Length 1000mm	All	
11	Recommended	Securing Elements 1 Packet	All	
12	Recommended	Double bit key	All	
13	Recommended	Rack in – Rack out handle	All	
14	Recommended	Snap Switch Block	All	

Contact Arms Selection Chart

<p>Optional</p> <div><p>Copper contact arm will be offer on case to case basis</p></div> <div><p>CU Contact Arms Upper & Lower Length 712 mm Dia 40 mm MOQ = 6 Nos.</p></div> <div><p>Palm Area</p></div>	<div><p>1250 AMP</p><div><p>Contact Arm CU. Upper & Lower</p><p>Contact Arm AL. Upper & Lower</p></div></div>	<div></div> <div><p>AL Contact Arms Upper & Lower Length 712 mm Dia 60 mm MOQ = 6 Nos.</p></div> <div><div><p>Palm Area</p></div><div><p>Crown Side</p></div><p>No. of 2 hole on Palm</p></div>
<div><p>Contact arm Copper 2000 / 2500 Amp Upper 712 mm & Lower 702 mm</p></div>	<div></div>	
<div><p>VCB Partitions Assembly</p></div>	<div></div>	

Panel Spares for 8BK80 36kV

Sr. No.	Spare Requirements	Product Descriptions	Rating	Images
1	Mandatory	Upper / Lower Bushing with 4 Holes	1250 to 2500 Amp	
2	Mandatory	Special Upper / Lower Bushing with 4 Holes Adaptor Panel	1250 to 2500 Amp	
3	Mandatory	Upper / Lower Bushing with 2 Holes Panel	1250 Amp	
4	Mandatory	Special Upper / Lower Bushing with 2 Holes with Cutout Adaptor Panel	1250 Amp	
5	Mandatory	Upper Bushing Cover	800 to 2500 Amp	
6	Mandatory	Lower Bushing Cover	800 to 2500 Amp	

Sr. No.	Spare Requirements	Product Descriptions	Rating	Images
7	Mandatory	Insulator Dia 98 X 300 mm Length	800 to 2500 Amp	
8	Mandatory	Space Heater	Common	
9	Mandatory	Thermostate	800 to 2500 Amp	
10	Optional	HYGROSTAT 8MR2170-4E (Optional) Hygrotherm	800 to 2500 Amp	
11	Mandatory	Local Remote Switch (Kaycee / Switron) Lockable / Non Lockable option	800 to 2500 Amp	
12	Mandatory	Breaker Control Switch (Kaycee / Switron) Lockable / Non Lockable option	800 to 2500 Amp	
13	Mandatory	Shroud * Size to be confirmed prior to placing order. (Size of main busbar available in 100 / 120 / 160 mm)	800 to 2500 Amp	
14	Mandatory	Door Handle	800 to 2500 Amp	

Strategic Spares Parts Kits for 3AH3 36kV, 31.5kA – Breaker

Kit	Breaker	kV	kA	A	MOQ	Unit	Figure
Pole Kit	3AH3	36	31.5	1250	Set	1	2-AD
Pole Kit	3AH3	36	31.5	2000	Set	1	2-AD
Pole Kit	3AH3	36	31.5	2500	Set	1	2-AD
Contact Arm Kit	3AH3	36	31.5	1250	Set	1	4-AE
Contact Arm Kit	3AH3	36	31.5	2000	Set	1	4-AF
Contact Arm Kit	3AH3	36	31.5	2500	Set	1	4-AF
Mechanism Kit	3AH3	36	31.5	1250	Set	1	3-A
Mechanism Kit	3AH3	36	31.5	2000	Set	1	3-A
Mechanism Kit	3AH3	36	31.5	2500	Set	1	3-A
Rack in Mechanism Kit	3AH3 8BK80	36	–	–	Set	1	5-A

Electrical & Maintenance Kit for 3AH3 36kV, 31.5kA – Breaker

Kit	Breaker	Connector	Aux. Switch	Aux. Voltage	MOQ	Unit	Delivery Period	Figure
E & M	3AH3	X	Y	Z	set	1	4 Weeks	1-B

Connector	Aux. Switch	Aux. Voltage
X	Y	Z
24 / 32 / 64 PIN	6 NO + 6 NC / 12 NO + 12 NC	24 / 30 / 48 / 60 / 110 / 220V DC

Panel Spare Kit

Kit	Breaker	kV	kA	A	MOQ	Unit	Figure
Panel Kit	8BK80	36	31.5	1250	1	Set	6-IB
Panel Kit	8BK80	36	31.5	2000 / 2500	1	Set	6-IB
Panel Kit	8BK80	36	31.5	Customize Design	1	Set	6-IB

Electrical & Maintenance Kit (1-B)

			
Motor - 1X	Aux Contactor - 1X	Limit Snap Switch - 5X	Securing Elements - 1 pack
			
Closing Coil - 1X	Oil - 500gm	Rectifier – 1X	Aux Switch - 1X
			
Tripping Coil - 1X	Grease - 500 gm	Aux Switch 4 NO + 4 NC - 1X	Pin Plug Assembly - 1X

VCB Pole Kit 3AH3 36kV, 31.5 kA, 1250 Amp (Figure 2-AD)

			
Vacuum Interrupteur + Eye bolt - 3X	Top Flange - 3X	Bottom Flange - 3X	Insulator - 6X
			
Current Link - 3X	SPACER for Insulator - 6X	Switching Bar Assembly with FRP struts Switching bar assembly - 3 Sets	Copper Spacer - 3X



VCB Pole Kit 3AH3 36kV, 31.5 kA, 2000 Amp (Figure 2-AD)

			
Vacuum Interrupteur + Eye bolt - 3X	Top Flange - 3X	Bottom Flange - 3X	Insulator - 6X
			
Current Link - 3X	SPACER for Insulator - 6X	Switching Bar Assembly with FRP struts Switching bar assembly - 3 Sets	Copper Spacer - 3X

VCB Pole Kit 3AH3 36kV, 31.5 kA, 2500 Amp (Figure 2-AD)

			
Vacuum Interrupter + Eye bolt - 3X	Top Flange - 3X	Bottom Flange - 3X	Insulator - 6X
			
Current Link - 3X	SPACER for Insulator - 6X	Switching Bar Assembly with FRP struts Switching bar assembly - 3 Sets	Copper Spacer - 3X

Contact Arms for 3AH3 36kV, 1250 & 2000 / 2500 Amp (Figure 4-AF)

<p>Contact Arm Al 1250 Amp Length 712 mm</p> <p>Contact Arm Copper 2000 / 2500 Amp Upper 712 mm & Lower 702 mm</p>		
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VCB Rack in Mechanism Kit 3AH3 (Figure 5-A)

			
Drive Box - 1X		Rack in - Rack out handle - 1X	Double bit key - 1X

Panel Spares Kit for 8BK80 (Figure 6-1B)

			
Upper / Lower Bushing with 4 Holes - 6X	Special Upper / Lower Bushing with 4 Holes - 3X	Upper / Lower Bushing with 2 Holes - 3X	Upper Bushing Cover - 3X
			
Lower Bushing Cover - 3X	Insulator - 6X	Space Heater - 2X	Thermostate - 2X
			
Door Handle - 1X			