





**MV Spares suitable for 8BK88+  
Panel Type 3AH0 12kV 26.3kA  
800A to 1600A**

**SIEMENS**

## Electrical Components commonly used in 3AH0 12kV

Description of products	Remarks Resistance at 20 Degree C	Snaps of Products
Closing / Tripping Coil: Rating - 24V to 250V DC (3AY1510)	OHM (as per requirement)	<p>Closing / Tripping Coil</p> 
Spring Charging: Motor - 220V (3AY1611-0F)	220V DC	 <p>For Gear Box - drive mechanism Motor</p>
Motor - 110V DC / V AC (3AY1611-0E)	110V DC	
2ND SHUNT REL 24V to 220V DCS.NO.	3AX1101	 
2ND SHUNT REL 100-110V AC 50Hz	3AX1101	
2ND SHUNT REL 230V AC 50Hz	3AX1101	

Description of Additional Trip Coil CT Operated, Undervoltage Coil	Remarks	Snap of Products
CT OPERAT. RELEASE 0.5A	3AX1102	
Under Voltage Coil 24V to 220V DC	3AX1103	
U/V REL 100V to 230V AC 50HZ	3AX1103	
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	
Rectifier		
Male Pin for 64 Assembly		
Female Pin for 64 Assembly		
64 Plug Pin Assembly		
24 / 32 Plug Pin Assembly		

## VCB Pole Spares 3AH0 12kV 26.3 kA 800 / 1250 / 1600 AMP for one VCB

Sr. No.	Spare Requirements	Product Descriptions	Rating	Images
1	Mandatory	Vacuum Interrupter VS 12025 GB	800 to 1600 Amp	
2	Mandatory	Housing with Nut plate	800 to 1250 Amp	
3	Mandatory	Housing with Nut plate	1600 Amp	
4	Recommended	Switch Off Spring (RED)	800 to 1250 Amp	
5	Mandatory	Upper Contact Arms	800 Amp	
		Upper Contact Arms	1250 Amp	
6	Mandatory	Lower Contact Arms	800 Amp	
		Lower Contact Arms	1250 Amp	
7	Mandatory	Upper Contact Arms	1600 Amp	
8	Mandatory	Lower Contact Arms	1600 Amp	
9	Mandatory	Tube Support	800 to 1600 Amp	
10	Mandatory	Current Link	800 to 1250 Amp	
11	Mandatory	Current Link	1600 Amp	
12	Mandatory	Insulating Stud	800 to 1600 Amp	
13	Mandatory	Switching Bar Assembly	800 to 1600 Amp	
14	Recommended	Lever 25 KA	800 to 1600 Amp	
15	Recommended	Bracket 25 KA	800 to 1600 Amp	
16	Mandatory	Pole Cover	800 to 1600 Amp	

## VCB Mechanism Spares For 3AH0 12kV 26.3 kA

Sr. No.	Spare Requirements	Product Descriptions	Rating	Images
1	Mandatory	Gear Box	All	
2	Mandatory	Switch Off Block	All	
3	Mandatory	Shock Absorber D3	All	
4	Mandatory	Switch ON Spring (Red) NoANGLE FEZN 3AH5	All	
5	Mandatory	Tie Rod (3AH5)	All	
6	Mandatory	Operation Counter	All	
7	Mandatory	Mechanical Interlock	All	

Sr. No.	Spare Requirements	Product Descriptions	Rating	Images
8	Recommended	Complete Switching shaft with bearing + Bearing	All	
9	Mandatory	Spring charging handle	All	
10	Mandatory	Damping Plate Assembly	All	
11	Mandatory	Drive Box 600mm	All	
12	Recommended	Securing Elements 1 Packet	All	
13	Recommended	Double bit key	All	
14	Recommended	Rack in – Rack out handle	All	

Sr. No.	Spare Requirements	Product Descriptions	Rating	Images
1	Mandatory	Upper Bushing Assembly L1, L2, L3  Upper Bushing Assembly L1, L2, L3 New design Dia 27	1250 Amp	
		Upper Bushing Assembly L1, L2, L3	1600 Amp	
2	Mandatory	Lower Bushing For 12 kV	1250 Amp	
3	Mandatory	Lower Bushing For 12 kV (HTCT)	1250 Amp	
4	Mandatory	Upper Bushing Assembly 30 DIA AL (L1, L2, L3 PHASE)  Upper Bushing Assembly 40 DIA AL (L1, L2, L3 PHASE)	800 to 1250 Amp	



Sr. No.	Spare Requirements	Product Descriptions	Rating	Images																									
5	Mandatory	CT Bushing Assembly CT Bushing -1, 2, 3 Assembly	1250 to 1600 Amp	<p><b>Low RES Image</b></p>  <table border="1"> <thead> <tr> <th>VAR NO.</th><th>A</th><th>B</th><th>CU.WT</th><th>EPOXY WT.</th></tr> </thead> <tbody> <tr> <td>0-01</td><td>95.0</td><td>485.0</td><td>2.17</td><td>3.426</td></tr> <tr> <td>0-02</td><td>170.0</td><td>560.0</td><td>2.62</td><td>3.800</td></tr> <tr> <td>0-03</td><td>245.0</td><td>635.0</td><td>3.07</td><td>4.150</td></tr> <tr> <td>0-04</td><td>300.0</td><td>690.0</td><td>3.40</td><td>4.40</td></tr> </tbody> </table>	VAR NO.	A	B	CU.WT	EPOXY WT.	0-01	95.0	485.0	2.17	3.426	0-02	170.0	560.0	2.62	3.800	0-03	245.0	635.0	3.07	4.150	0-04	300.0	690.0	3.40	4.40
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6	Mandatory	Insulator Dia 61 X 130 mm Length	800 to 1600 Amp																										
7	Mandatory	Space Heater	800 to 1600 Amp																										
8	Mandatory	Thermostate	800 to 1600 Amp																										
9	Optional	HYGROSTAT 8MR2170-4E (Optional) Hygrotherm	800 to 1600 Amp																										
10	Mandatory	Local Remote Switch (Kaycee / Switron) Lockable / Non Lockable option	800 to 1600 Amp																										
11	Mandatory	Breaker Control Switch (Kaycee / Switron) Lockable / Non Lockable option	800 to 1600 Amp																										
12	Recommend	Shroud	Upto 1600 Amp																										

## SPARES FOR CONTACT

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

## 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 - 500gm	Aux Switch 4 NO + 4 NC - 1X	Pin Plug Assembly - 1X









## VCB Pole Kit 3AH0 800/1250 A Figure: 2-CA

		
<p>Vacuum Interrupter VS 12025GB - 1X</p>	<p>Current Strip - 1X</p>	<p>Insulating Stud - 1X</p>
		
<p>Bracket - 1X</p>	<p>Upper Cont Arm Assly. 1250A - 1X</p>	<p>Lower Cont Arm Assly. 1250A - 1X</p>
		
<p>Tube Support - 1X</p>	<p>Vacuum Interrupter Housing - 1X</p>	<p>Switch off Spring - 2X</p>

**VCB Pole Kit 3AH0 1600A Figure: 2-CB**

		
<p>Vacuum Interrupter VS 12025GB - 1X</p>	<p>Current Strip - 1X</p>	<p>Insulating Stud - 1X</p>
		
<p>Bracket - 1X</p>	<p>Upper Cont Arm Assly. 1600A - 1X</p>	<p>Lower Cont Arm Assly. 1600A - 1X</p>
		
<p>Tube Support - 1X</p>	<p>Vacuum Interrupter Housing - 1X</p>	<p>Switch off Spring - 2X</p>

## VCB Mechanism Kit 3AH0 Figure: 3C

		
<p>Switch on Spring - 1X</p>	<p>Counter - 1X</p>	<p>Shock Absorber - 1X</p>
		
<p>Switch off Block Assembly - 1X</p>	<p>Pole Cover - 1X</p>	<p>Gear Box Assembly - 1X</p>
		
<p>Securing Element - 1 pack</p>	<p>Dampening Plate Assembly - 1X</p>	

## VCB Rack in Mechanism Kit Figure: 5C



Drive Box - 1X



Rack in - Rack out Handle - 1X



Double Bit Key - 1X