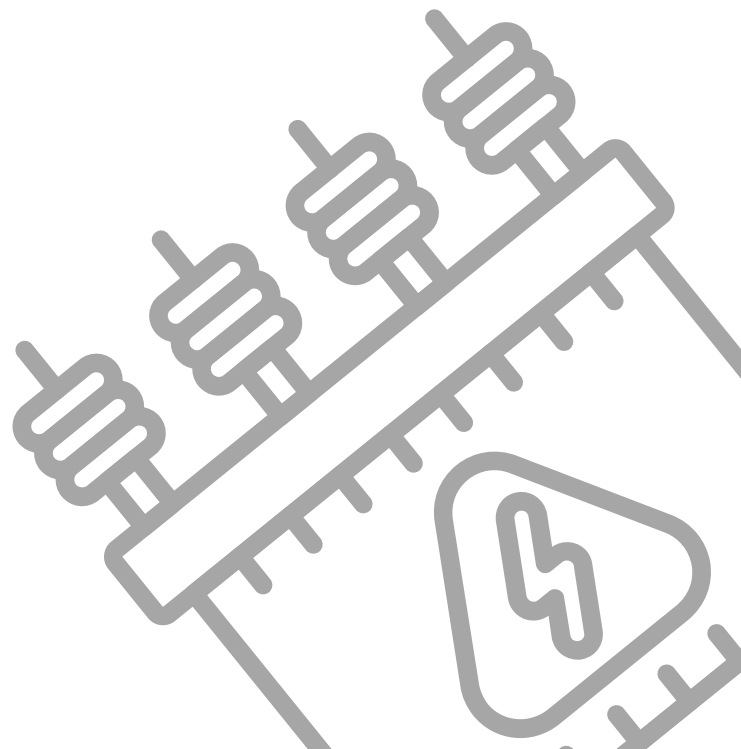









**Power System
Services**

MV SPARES





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











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

Sr.No	Description of products	Remarks Resistance at 20o C	Snapshots of Products
1	Closing / Tripping Coil: Rating - 24V to 250V DC (3AY1510)	4.2 OHM	 <p>Closing / Tripping Coil</p>
2	Spring Charging Motor (M1) - 110V AC / V D	110V DC	
3	Spring Charging Motor (M1) -220V AC / V DC	220V DC	
4	2ND SHUNT REL 24V to 220V DC	3AX1101-2B	 
5	2ND SHUNT REL 100-230V AC 50Hz	3AX1101-2G	
6	2ND SHUNT REL 48V-60V DC	3AX1101-2C	
7	Wire bunch without Accessories		



Sr.No.	Description of products	Remarks Resistance at 20o C	Snap of Products
1	CT OPERAT. RELEASE 0.5A	3AX1102-2A	
2	Under Voltage release 240V AC, 50HZ	3AX1103-2M	
3	Under Voltage release 100V to 240V AC, 60HZ	3AX1103-3G	
4	Under Voltage Coil 24V to 220V DC	3AX1103-2B	
5	U/V REL 100V to 230V AC, 50HZ	3AX1103-2G	
6	Limit (Snap) switch	Minimum Order Qty of 5 Nos.	
7	Auxiliary switch 6NO+6NC (3SV92 74)	Installation At Switch Off Block	
8	Auxiliary switch 12NO+12NC (3SV92 74)		
9	Test / Service Position switch (4NO+4NC)	Installation at Drive Box	



Sr.N o.	Description of products	Remarks Resistance at 20o C	Snapshots of Products
1	Anti-pumping contactor, 2NO+2NC - 24V to 220V DC	Installation near Switch Off Block	
2	Anti-pumping contactor, 2NO+2NC - 110V AC		
3	Rectifier		
4	Male Pin for 64 Assembly		
5	Female Pin for 64 Assembly		
6	64 Plug Pin Assembly		
7			
8	24 / 32 Plug Pin Assembly		
9	Oil & grease	For Moving Parts Maintenance Parts	
			



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

Sr.No.	Description of products	Remarks Resistance at 20o C	Snapshots of Products
1	Vacuum Interrupteur + Eye bolt M12X60 VS30029	1250 to 2500 Amp	
2	Top Flange	1250 Amp	
3	Bottom Flange	1250 Amp	
4	Insulator Dia 98X 300 mm	1250 to 2500 Amp	
5	Current Link	1250 Amp	
6	SPACER for Insulator 36kV	Upto 2500 Amp	
7	Switching Bar Assembly with FRP struts Switching bar assembly - 3x	Upto 2500 Amp	
8	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.	Description of products	Remarks Resistance at 20o C	Snapshots of Products
1	Vacuum Interrupteur + Eye bolt M12X60 VS30029	1250 to 2500 Amp	
2	Top Flange	2000 Amp	
3	Bottom Flange	2000 Amp	
4	Insulator Dia 98X 300 mm	1250 to 2500 Amp	
5	Current Link –	2000 Amp	
6	SPACER for Insulator 36kV	Upto 2500 Amp	
7	Switching Bar Assembly with FRP struts Switching bar assembly - 3x	Upto 2500 Amp	
8	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.	Description of products	Remarks Resistance at 20o C	Snapshots of Products
1	Vacuum Interrupteur + Eye bolt M12X60 VS30029	1250 to 2500 Amp	
2	Top Flange	2500 Amp	
3	Bottom Flange	2500 Amp	
4	Insulator Dia 98X 300 mm	1250 to 2500 Amp	
5	Current Link –	2500 Amp	
6	SPACER for Insulator 36kV	Upto 2500 Am	
7	Switching Bar Assembly with FRP struts Switching bar assembly – 3x	Upto 2500 Amp	
8	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.	Description of products	Remarks Resistanc e at 20o C	Snapshots of Products
1	Gearbox + Gaske	All	
2	Switch Off Block	All	
3	Shock Absorber D2	All	
4	31.5kA Switch On Spring With Bush (Yellow)	All	
5	Switch Off Spring (Red)	All	
6	Operation Counter	All	
7	Mechanical Interlock	All	
8	Spring charging handle	All	



Sr.no	Description of products	Remarks Resistanc e at 20o C	Snapshots of Products
1	Damping Plate Assembly	All	
2	Drive Box Length 1000mm	All	
3	Securing Elements 1 Packet	All	
4	Double bit key	All	
5	Rack in – Rack out handle	All	
6	Snap Switch Block	All	







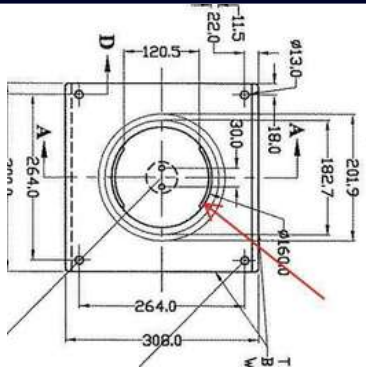




	Contact Arm CU. Upper & Lower	
CU Contact Arms Upper & Lower Length 712 mm Dia 40 mm MOQ = 6 Nos.		AL Contact Arms Upper & Lower Length 712 mm Dia 60 mm MOQ = 6 Nos.
 Palm Area	Contact Arm AL. Upper & Lower	

Contact arm Copper 2000 / 2500 Amp Upper 712 mm & Lower 702 mm	
VCB Partitions Assembly	



Panel Spares for 8BK80 36kV

Sr.No.	Description of products	Remarks Resistance at 20o C	Snapshots of Products
1	Upper / Lower Bushing with 4 Holes	1250 to 2500 Amp	 
2	Special Upper / Lower Bushing with 4 Holes Adaptor Panel	1250 to 2500 Amp	 
3	Upper / Lower Bushing with 2 Holes Panel	1250 Amp	 
4	Special Upper / Lower Bushing with 2 Holes with Cutout Adaptor Panel	1250 Amp	
5	Upper Bushing Cover	800 to 2500 Amp	
6	Lower Bushing Cover	800 to 2500 Amp	



Sr.No.	Description of products	Remarks Resistance at 20o C	Snapshots of Products
1	Insulator Dia 98 X 300 mm Length	800 to 2500 Amp	
2	Space Heater	800 to 2500 Amp	
3	Thermostate	800 to 2500 Amp	
4	HYGROSTAT 8MR2170-4E (Optional) Hygrotherm	800 to 2500 Amp	
5	Local Remote Switch (Kaycee / Switron) Lockable / Non Lockable option	800 to 2500 Amp	
6	Breaker Control Switch (Kaycee / Switron) Lockable / Non Lockable option	800 to 2500 Amp	
7	Shroud	800 to 2500 Amp	
8	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	3-4
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	Figure
E&M	3AH3	X	Y	Z	set	1	1-B

Connector	Aux. Switch	Aux.Voltage
X	Y	Z
4/32/64 PIN	NO+ 6NC/ 12NO + 12NC	4/30/48/60/110/220/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 & Maitainance Kit (1-B)

			
Motor – 1X	Aux Contactor – 1X	Limit snap Switch-5X	Securing Elements- 1Pack
			
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 assemblies – 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 assemblies – 3 Sets	Copper Spacer– 3X



VCB Pole Kit 3AH3 36kV, 31.5 kA, 2500 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 assembled – 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-IB)

			
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 – 3	Insulator – 6X	Space Heater– 2X	Thermostate – 2X
			
Door Handle – 1X			