

**MV Spares suitable for 8BK80**  
Old Panel VCB Type 3AH3 12kV  
31.5/40/44kA 1250A to 3150A

**SIEMENS**

# **MV Spares suitable for 8BK80**

## **Old Panel VCB Type 3AH3 12kV 31.5/40/44kA 1250A to 3150A**

This manual has primarily been designed for:

- Easy identification of spares
- Ordering of spares.

The manual includes most of the components. You may order these spares from our nearest branch office. While ordering, it is necessary to give description, code number and quantity required.

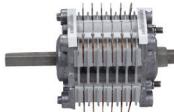
If you do not find the required spares or their description in this manual, please provide us the relevant information of the spare required and we can help you identify the part required.

It is important to maintain minimum stocks of essential components at the site, always.

## Electrical Components commonly used in 3AH3

Description of products	Remarks Resistance at 20 Degree C	Snapshots of Products	Part No.	MOQ
Closing / Tripping Coil: Rating - 24V DC (3AY1510-3BY)	4.2 OHM	 <b>Closing / Tripping Coil (Y1/Y9)</b>	PTD4398095020	2 Pc
Closing / Tripping Coil: Rating - 30V DC (3AY1510-3MY)	6.3 OHM		PTD4398095021	2 Pc
Closing / Tripping Coil: Rating - 48V DC (3AY1510-3CY)	16.9 OHM		PTD4398095022	2 Pc
Closing / Tripping Coil: Rating - 60V DC (3AY1510-3DY)	60 OHM		PTD4398095023	2 Pc
Closing / Tripping Coil: Rating - 110V DC (3AY1510-3EY)	90 OHM		PTD4398095024	2 Pc
Closing / Tripping Coil: Rating - 125V DC (3AY1510-3NY)	120 OHM		PTD4398095025	2 Pc
Closing / Tripping Coil: Rating - 220V DC (3AY1510-3FY)	360 OHM		PTD4398095026	2 Pc
Closing / Tripping Coil: Rating - 240-250V DC (3AY1510-3GY)	330 OHM		PTD4398095028	2 Pc
Spring Charging Motor (M1) - 110V AC / V DC	110V DC	 <b>For Gear Box - drive mechanism Motor</b>	PTD4107830043	1 Pc
Spring Charging Motor (M1) -220V AC / V DC	220V DC		PTD4107830041	1 Pc
2ND SHUNT REL 24-32V DC S.NO. 43801180028	3AX1101-2B	 	PTD4110660052	1 Pc
2ND SHUNT REL 110-127V DC S.NR. 43801180033	3AX1101-2E		PTD4110660054	1 Pc
2ND SHUNT REL 220V DC S.NR. 43801180036	3AX1101-2F		PTD4110660055	1 Pc
2ND SHUNT REL 100-110V AC 50Hz S.NR. 43801180042	3AX1101-2G		PTD4110660058	1 Pc
2ND SHUNT REL 230V AC 50Hz S.NR. 43801180044	3AX1101-2J		PTD4110660059	1 Pc
2ND SHUNT REL 48V-60V DC S.NR. 43801180031	3AX1101-2C		PTD4110660063	1 Pc

Please check the product health at interval of 2 years, 5 years and 7 years

Description of Additional Trip Coil CT Operated, Undervoltage Coil	Remarks	Snaps of Products	Part No.	MOQ
CT OPERAT. RELEASE 0.5A S.NR. 43801180056	3AX1102-2A		PTD4110660062	1 Pc
Under Voltage release 240V AC, 50HZ	3AX1103-2M		PTD4110660088	1 Pc
Under Voltage release 100V AC, 60HZ	3AX1103-3G		PTD4110660080	1 Pc
Under Voltage release 110/125V AC, 60HZ	3AX1103-3H		PTD4110660082	1 Pc
Under Voltage release 230V AC, 60HZ	3AX1103-3J		PTD4110660081	1 Pc
Under Voltage release 240V AC, 60HZ	3AX1103-3M		PTD4110660087	1 Pc
<b>Under Voltage Coil 24V DC</b> S.NR. 43801180001	3AX1103-2B		PTD4110660072	1 Pc
U/V REL 30-32V DC S.NR. 43801180002	3AX1103-2L		PTD4110660073	1 Pc
U/V REL 48V DC S.NR. 43801180004	3AX1103-2C		PTD4110660083	1 Pc
U/V REL 60V DC S.NR. 43801180005	3AX1103-2D		PTD4110660084	1 Pc
U/V REL 110V DC S.NR. 43801180006	3AX1103-2E		PTD4110660074	1 Pc
U/V REL 120-127V DC S.NR. 43801180007	3AX1103-2H		PTD4110660085	1 Pc
U/V REL 220V DC S.NR. 43801180009	3AX1103-2F		PTD4110660075	1 Pc
U/V REL 100V AC, 50HZ S.NR. 43801180015	3AX1103-2G		PTD4110660077	1 Pc
U/V REL 110-125V AC, 50HZ S.NR. 43801180016	3AX1103-2H		PTD4110660078	1 Pc
U/V REL 230V AC, 50HZ S.NR. 43801180017	3AX1103-2J		PTD4110660079	1 Pc
Limit (Snap) switch	Minimum Order Qty of 5 Nos.		PTD4107766906	5 Pc
Auxiliary switch 6NO+6NC (3SV92 74)	Installation At Switch Off Block		PTD4392133073	1 Pc
Auxiliary switch 12NO+12NC (3SV92 74)			PTD4392133074	1 Pc
Test / Service Position switch (4NO+4NC)	Installation at Drive Box		PTD4392133020	1 Pc

Please check the product health at interval of 2 years, 5 years and 7 years

Description of Antipumping Contactor	Remarks	Snaps of Products	Part No.	MOQ
Anti-pumping contactor, 2NO+2NC - 24V DC	Installation near Switch Off Block		100700898	1 Pc
Anti-pumping contactor, 2NO+2NC - 30V DC			100755286	
Anti-pumping contactor, 2NO+2NC - 48V DC			100754598	
Anti-pumping contactor, 2NO+2NC - 60V DC			100758229	
Anti-pumping contactor, 2NO+2NC - 110V DC			100700903	
Anti-pumping contactor, 2NO+2NC - 110V AC			100700908	
Anti-pumping contactor, 2NO+2NC - 220V DC			100700908	
Rectifier			PTD4107749003	1 Pc
Male Pin for 64 Assembly			PTD4107769905	1 PKt= 100 Pc
Female Pin for 64 Assembly			PTD4006920000	1 PKt= 100 Pc
64 Plug Pin Assembly			PTD4109764023	1 set
24 / 32 Plug Pin Assembly			For 24 Pin PTD4007002141 For 32 PIN PTD4392142001	1 set
Oil & grease	For Moving Parts Maintenance Parts		PTD4007013101	Each 500 gms
			PTD4007013100	

Please check the product health at interval of 2 years, 5 years and 7 years

## Pole Spares 3AH3 12kV, 31.5kA, 1250 Amp for one VCB

Sr. No.	Spare Requirements	Product Descriptions	Rating	Required Qty. for one VCB	Images
1	Mandatory – Pole Assembly	Vacuum Interrupter VS 17005P + Eye Bolt M10 X60 PTD4392093001 PTD4109807001	1250 to 2500 Amp	3 Nos.	
2	Mandatory – Pole Assembly	Top flange – PTD4398190002	1250 Amp	3 Nos.	
3	Mandatory – Pole Assembly	Bottom flange – PTD4398078002	1250 Amp	3 Nos.	
4	Mandatory – Pole Assembly	Insulator – PTD4107933006	1250 to 2500 Amp	6 Nos.	
5	Mandatory – Pole Assembly	Current Link PTD4398191001	1250 Amp	3 Nos.	
6	Mandatory – Pole Assembly	Copper Terminal – (D40X116.5L) PTD4398082002	Upto 1250 Amp	3 Nos.	
7	Mandatory – Pole Assembly	Switching Bar Assembly with FRP struts Switching bar assemебly – 3x PTD4398192003	Upto 1250 Amp	3 Sets	

Please check the product health at interval of 2 years, 5 years and 7 years

## Pole Spares 3AH3 12kV, 31.5kA, 2000 Amp for one VCB

Sr. No.	Spare Requirements	Product Descriptions	Rating	Required Qty. for one VCB	Images
1	Mandatory – Pole Assembly	Vacuum Interrupter VS 17005P + Eye Bolt M10 X60 PTD4392093001 PTD4109807001	1250 to 2500 Amp	3 Nos.	
2	Mandatory – Pole Assembly	Top flange – PTD4107792013	2000 Amp	3 Nos.	
3	Mandatory – Pole Assembly	Bottom flange – PTD4398078012	2000 Amp	3 Nos.	
4	Mandatory – Pole Assembly	Insulator – PTD4107933006	1250 to 2500 Amp	6 Nos.	
5	Mandatory – Pole Assembly	Current Link PTD4398191002	2000 Amp	3 Nos.	
6	Mandatory – Pole Assembly	Copper Terminal – (Cu 40 Dx121L) PTD4107821014	Upto 2000 Amp	3 Nos.	
7	Mandatory – Pole Assembly	Switching Bar Assembly with FRP struts Switching bar assembly – 3x PTD4398192003	Upto 2000 Amp	3 Sets	

Please check the product health at interval of 2 years, 5 years and 7 years

## Pole Spares 3AH3 12kV, 31.5kA, 2500 Amp for one VCB

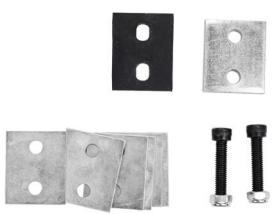
Sr. No.	Spare Requirements	Product Descriptions	Rating	Required Qty. for one VCB	Images
1	Mandatory – Pole Assembly	Vacuum Interrupter VS 17005P + Eye Bolt M10 X60 PTD4392093001 PTD4109807001	1250 to 2500 Amp	3 Nos.	
2	Mandatory – Pole Assembly	Top flange – PTD4107792013	2500 Amp	3 Nos.	
3	Mandatory – Pole Assembly	Bottom flange – PTD4398078012	2500 Amp	3 Nos.	
4	Mandatory – Pole Assembly	Insulator – PTD4107933006	1250 to 2500 Amp	6 Nos.	
5	Mandatory – Pole Assembly	Current Link PTD4398191002	2500 Amp	3 Nos.	
6	Mandatory – Pole Assembly	Copper Terminal – (Cu 60 Dx121L) PTD4398099091	Upto 2500 Amp	3 Nos.	
7	Mandatory – Pole Assembly	Switching Bar Assembly with FRP struts Switching bar assembly – 3x PTD4398192003	Upto 2500 Amp	3 Sets	

Please check the product health at interval of 2 years, 5 years and 7 years

## Mechanism Spares for 3AH3 12kV, 31.5kA, 1250 to 2500 Amp for one VCB

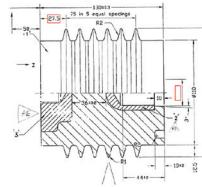
Sr. No.	Spare Requirements	Product Descriptions	Rating	Required Qty. for one VCB	Images
1	Mandatory	Gearbox + Gasket PTD4398002012 + PTD4107694001	All	1 No.	
2	Mandatory	Switch Off Block PTD4398004003	All	1 No.	
3	Mandatory	Shock Absorber PTD4109770001	All	1 No.	
4	Mandatory	Switch On Spring with Bush – (Yellow mark) PTD4107689003 + BUSH (SW. ON SPRING) PTD4107672912	All	1 No.	
5	Mandatory	Switch Off Spring – (Green mark) PTD4398014010	All	1 No.	
6	Mandatory	Operation Counter – PTD4392103001	All	1 No.	
7	Mandatory	Mechanical Interlock PTD4107852004	All	1 No.	
8	Mandatory	Spring charging handle PTD4112871001	All	1 No.	

Please check the product health at interval of 2 years, 5 years and 7 years

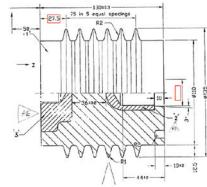
Sr. No.	Spare Requirements	Product Descriptions	Rating	Required Qty. for one VCB	Images
9	Mandatory	Damping Plate Assembly PTD 4398187001	All	1 No.	
10	Mandatory	Drive Box PTD4323735101 Length 800 mm	All	1 No.	
11	Recommended	Securing Elements 1 Packet	All	1 No.	
12	Recommended	Double bit key PTD4317301001	All	1 No.	
13	Recommended	Rack in – Rack out handle PTD4317610001	All	1 No.	
14	Recommended	Snap Switch Block PTD4398003001	All	1 No.	

Please check the product health at interval of 2 years, 5 years and 7 years

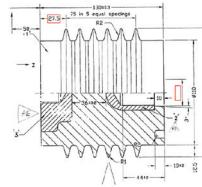
## Pole Spares 3AH3 12kV, 40 kA / 44 kA, 1250 Amp for one VCB

Sr. No.	Spare Requirements	Product Descriptions	Rating	Required Qty. for one VCB	Images
1	Mandatory – Pole Assembly	Vacuum Interrupter VS 15102P – PTD4398096001	1250 Amp	3 Nos.	
2	Mandatory – Pole Assembly	Top flange – PTD4107792013	1250 Amp	3 Nos.	
3	Mandatory – Pole Assembly	Bottom Flange – PTD4398078013	1250 Amp	3 Nos.	
4	Mandatory – Pole Assembly	Insulator – For 40kA PTD410777001 Insulator – 118 Dia X 130 mm Length	1250 Amp	6 Nos.	
5	Mandatory – Pole Assembly	For 44kA  Pole Support Insulator- 140 Dia X 130 mm Length PTD4109657001	1250 Amp - 3150 Amp	6 Nos.	 
6	Mandatory – Pole Assembly	Current Link – PTD4398191004	1250 Amp	3 Nos.	
7	Mandatory – Pole Assembly	PTD4398099001 Copper Terminal – CU. TERM (D60X86L)	1250 Amp	3 Nos.	
8	Mandatory – Pole Assembly	Switching bar assembly – PTD4398192005	1250 Amp	3 Sets	

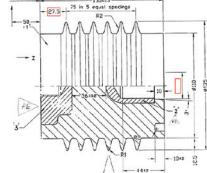
## Pole Spares 3AH3 12kV, 40 kA / 44 kA, 1600 Amp for one VCB

Sr. No.	Spare Requirements	Product Descriptions	Rating	Required Qty. for one VCB	Images
1	Mandatory – Pole Assembly	Vacuum Interrupter VS 15102P – PTD4398096001	1600 Amp	3 Nos.	
2	Mandatory – Pole Assembly	Top flange – PTD4107792013	1600 Amp	3 Nos.	
3	Mandatory – Pole Assembly	Bottom Flange – PTD4398078013	1600 Amp	3 Nos.	
4	Mandatory – Pole Assembly	Insulator – For 40kA PTD410777001 Insulator – 118 Dia X 130 mm Length	1600 Amp	6 Nos.	
5	Mandatory – Pole Assembly	For 44kA  Pole Support Insulator- 140 Dia X 130 mm Length PTD4109657001	1250 Amp - 3150 Amp	6 Nos.	 
6	Mandatory – Pole Assembly	Current Link – PTD4398191004	1600 Amp	3 Nos.	
7	Mandatory – Pole Assembly	PTD4398099001 Copper Terminal – CU. TERM (D60X86L)	1600 Amp	3 Nos.	
8	Mandatory – Pole Assembly	Switching bar assembly – PTD4398192005	1600 Amp	3 Sets	

## Pole Spares 3AH3 12kV, 40 kA / 44 kA, 2000 Amp for one VCB

Sr. No.	Spare Requirements	Product Descriptions	Rating	Required Qty. for one VCB	Images
1	Mandatory – Pole Assembly	Vacuum Interrupter VS 15102P – PTD4398096001	2000 Amp	3 Nos.	
2	Mandatory – Pole Assembly	Top flange – PTD4107792013	2000 Amp	3 Nos.	
3	Mandatory – Pole Assembly	Bottom Flange – PTD4398078013	2000 Amp	3 Nos.	
4	Mandatory – Pole Assembly	Insulator – For 40kA PTD410777001 118 Dia X 130 mm Length	2000 Amp	6 Nos.	
5	Mandatory – Pole Assembly	For 44kA  Pole Support Insulator- 140 Dia X 130 mm Length PTD4109657001	1250 Amp - 3150 Amp	6 Nos.	 
6	Mandatory – Pole Assembly	Current Link – PTD4398191005	2000 Amp	3 Nos.	
7	Mandatory – Pole Assembly	PTD4398099001 Copper Terminal – CU. TERM (D60X86L)	2000 Amp	3 Nos.	
8	Mandatory – Pole Assembly	Switching bar assembly – PTD4398192005	2000 Amp	3 Sets	

## Pole Spares 3AH3 12kV, 40 kA / 44 kA, 2500 Amp for one VCB

Sr. No.	Spare Requirements	Product Descriptions	Rating	Required Qty. for one VCB	Images
1	Mandatory – Pole Assembly	Vacuum Interrupter VS 15102P – PTD4398096001	1250 to 2500 Amp	3 Nos.	
2	Mandatory – Pole Assembly	Top flange – PTD4107792013	2500 Amp	3 Nos.	
3	Mandatory – Pole Assembly	Bottom Flange – PTD4398078013	2500 Amp	3 Nos.	
4	Mandatory – Pole Assembly	Insulator – For 40kA PTD410777001 118 Dia X 130 mm Length	1250 to 2500 Amp	6 Nos.	
5	Mandatory – Pole Assembly	For 44kA  Pole Support Insulator- 140 Dia X 130 mm Length PTD4109657001	1250 Amp - 3150 Amp	6 Nos.	 
6	Mandatory – Pole Assembly	Current Link – PTD4398191006	For 2500 Amp	3 Nos.	
7	Mandatory – Pole Assembly	PTD4398099001 Copper Terminal – 3x CU. TERM (D60X86L)	Upto 2500 Amp	3 Nos.	
8	Mandatory – Pole Assembly	Switching bar assembly – PTD4398192005	Upto 2500 Amp	3 Sets	

## Mechanism Spares for 3AH3 12kV, 40 kA / 44 kA, 1250 to 3150 Amp for one VCB

Sr. No.	Spare Requirements	Product Descriptions	Rating	Required Qty. for one VCB	Images
1	Mandatory	Gearbox + Gasket PTD4398002012 + PTD4107694001	All	1 No.	
2	Mandatory	Switch Off Block PTD4398004003	All	1 No.	
3	Mandatory	Shock Absorber PTD4109770001	All	1 No.	
4	Mandatory	Switch On Spring with Bush – (Yellow mark ) PTD4107689003 (SW. ON SPRING) + BUSH PTD4107672912	All	1 No.	
5	Mandatory	Switch Off Spring – (Green mark) PTD4398014011	All	1 No.	
6	Mandatory	Operation Counter – PTD4392103001	All	1 No.	
7	Mandatory	Mechanical Interlock PTD4107852004	All	1 No.	
8	Mandatory	Spring charging handle PTD4112871001	All	1 No.	

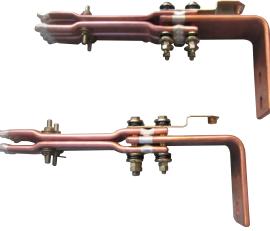
Please check the product health at interval of 2 years, 5 years and 7 years

Sr. No.	Spare Requirements	Product Descriptions	Rating	Required Qty. for one VCB	Images
9	Mandatory	Damping Plate Assembly PTD 4398187001	All	1 No.	
10	Mandatory	Drive Box PTD4323735101 Length 800 mm	All	1 No.	
11	Recommended	Securing Elements PTD4109764024 1 Packet	All	1 No.	
12	Recommended	Double bit key PTD4317301001	All	1 No.	
13	Recommended	Rack in – Rack out handle PTD4317610001	All	1 No.	
14	Recommended	Snap Switch Block PTD4398003001	All	1 No.	

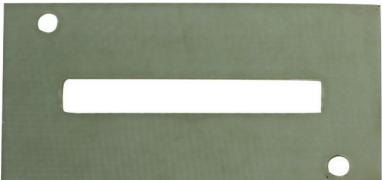
## 3AH3 12 kV 31.5 kA Contact Arms Selection Chart

 <p><b>CU Contact Arms Upper &amp; Lower MOQ = 3 Nos. Each (60X10 mm thickness)</b></p>	<p>1250 AMP</p> <table border="1"> <tbody> <tr> <td>Contact Arm AL. Lower</td> <td>PTD4318016004</td> </tr> <tr> <td>Contact Arm AL. Upper</td> <td>PTD4318016003</td> </tr> <tr> <td>Contact Arm Cu. Upper</td> <td>PTD4319806003</td> </tr> <tr> <td>Contact Arm Cu. Lower</td> <td>PTD4319806004</td> </tr> </tbody> </table>	Contact Arm AL. Lower	PTD4318016004	Contact Arm AL. Upper	PTD4318016003	Contact Arm Cu. Upper	PTD4319806003	Contact Arm Cu. Lower	PTD4319806004	 <p><b>AL Contact Arms Upper &amp; Lower MOQ = 3 Nos. Each (80X10 mm thickness)</b></p>
Contact Arm AL. Lower	PTD4318016004									
Contact Arm AL. Upper	PTD4318016003									
Contact Arm Cu. Upper	PTD4319806003									
Contact Arm Cu. Lower	PTD4319806004									
 <p><b>Polypropylene tube PTD4306770001 Size 110 mm Dia X 310 length mm Upper &amp; Lower MOQ = 3 Nos. Each</b></p>	 <p><b>Nylon bolt for polypropylene tube PTD4306854001 M8 X 40 mm Upper &amp; Lower MOQ = 3 Nos. Each</b></p>	 <p><b>Bush for Polypropylene Tube PTD 4307162001 Upper &amp; Lower MOQ = 3 Nos. Each</b></p>								
 <p><b>Contact Arms 2000 Amp (80 X 15 mm thickness) Upper MOQ = 3 No. Each</b></p>	<table border="1"> <tbody> <tr> <td>Contact Arm complete - Lower 2000 Amp</td> <td>PTD4318019005</td> </tr> <tr> <td>Contact Arm complete - Upper 2000 Amp</td> <td>PTD4318022005</td> </tr> </tbody> </table>	Contact Arm complete - Lower 2000 Amp	PTD4318019005	Contact Arm complete - Upper 2000 Amp	PTD4318022005	 <p><b>Contact Arms 2000 Amp (80 X 15 mm thickness) Upper MOQ = 3 No. Each</b></p>				
Contact Arm complete - Lower 2000 Amp	PTD4318019005									
Contact Arm complete - Upper 2000 Amp	PTD4318022005									
 <p><b>Contact Arms 2500 Amp (100 X 20 mm thickness) Upper MOQ = 3 No. Each</b></p>	<table border="1"> <tbody> <tr> <td>Contact Arm Cu. - Lower 2500 Amp</td> <td>PTD4318021002</td> </tr> <tr> <td>Contact Arm Cu. - Upper 2500 Amp</td> <td>PTD4318021001</td> </tr> </tbody> </table>	Contact Arm Cu. - Lower 2500 Amp	PTD4318021002	Contact Arm Cu. - Upper 2500 Amp	PTD4318021001	 <p><b>Contact Arms 2500 Amp (100 X 20 mm thickness) Lower MOQ = 3 No. Each</b></p>				
Contact Arm Cu. - Lower 2500 Amp	PTD4318021002									
Contact Arm Cu. - Upper 2500 Amp	PTD4318021001									
<p>VCB Partition Assembly For 3Ah3 31.5 kA 1250 Amp Set of 2 Nos. for Regular products.</p> <p>If Potential transformer in VCB Partition Qty. will be 4 Nos.</p>	 <p><b>Distance Holder above PTD8PT12470 Upper &amp; Lower MOQ = 12 No.</b></p>	 <p><b>VCB Partition</b></p>								

## 3AH3 12 kV, 40 kA / 44 kA, 1250, 1600, 2000, 2500, 3150 Amp

 <p><b>CU Contact Arms Upper &amp; Lower 1250 Amp (10 MM Thickness) MOQ 3 Nos. Each</b></p>	<table border="1"> <thead> <tr> <th>Product</th><th>KV</th><th>KA</th><th>A</th><th>Description</th><th>SAP Code</th></tr> </thead> <tbody> <tr> <td>3AH3</td><td>12</td><td>40</td><td>1250</td><td>Contact Arm Cu. - Lower</td><td>PTD4318022002</td></tr> <tr> <td>3AH3</td><td>12</td><td>40</td><td>1250</td><td>Contact Arm Cu. - Upper</td><td>PTD4318022001</td></tr> <tr> <td>3AH3</td><td>12</td><td>40</td><td>1600</td><td>Contact arm Cu- Lower</td><td>PTD4318022008</td></tr> <tr> <td>3AH3</td><td>12</td><td>40</td><td>1600</td><td>Contact arm Cu - Upper</td><td>PTD4318022007</td></tr> <tr> <td>3AH3</td><td>12</td><td>40</td><td>2000</td><td>Contact Arm Cu. - Lower</td><td>PTD4318022004</td></tr> <tr> <td>3AH3</td><td>12</td><td>40</td><td>2000</td><td>Contact Arm Cu. - Upper</td><td>PTD4318022003</td></tr> <tr> <td>3AH3</td><td>12</td><td>40</td><td>2500</td><td>Contact Arm Cu. - Lower</td><td>PTD4318021004</td></tr> <tr> <td>3AH3</td><td>12</td><td>40</td><td>2500</td><td>Contact Arm Cu. - Upper</td><td>PTD4318021003</td></tr> <tr> <td>3AH3</td><td>12</td><td>40</td><td>3150</td><td>Contact Arm Cu. - Lower</td><td>PTD4318021004</td></tr> <tr> <td>3AH3</td><td>12</td><td>40</td><td>3150</td><td>Contact Arm Cu. - Upper</td><td>PTD4318021003</td></tr> </tbody> </table>	Product	KV	KA	A	Description	SAP Code	3AH3	12	40	1250	Contact Arm Cu. - Lower	PTD4318022002	3AH3	12	40	1250	Contact Arm Cu. - Upper	PTD4318022001	3AH3	12	40	1600	Contact arm Cu- Lower	PTD4318022008	3AH3	12	40	1600	Contact arm Cu - Upper	PTD4318022007	3AH3	12	40	2000	Contact Arm Cu. - Lower	PTD4318022004	3AH3	12	40	2000	Contact Arm Cu. - Upper	PTD4318022003	3AH3	12	40	2500	Contact Arm Cu. - Lower	PTD4318021004	3AH3	12	40	2500	Contact Arm Cu. - Upper	PTD4318021003	3AH3	12	40	3150	Contact Arm Cu. - Lower	PTD4318021004	3AH3	12	40	3150	Contact Arm Cu. - Upper	PTD4318021003	 <p><b>CU Contact Arms Upper &amp; Lower 1600 Amp (15 MM Thickness) MOQ 3 Nos. Each</b></p>
Product	KV	KA	A	Description	SAP Code																																																															
3AH3	12	40	1250	Contact Arm Cu. - Lower	PTD4318022002																																																															
3AH3	12	40	1250	Contact Arm Cu. - Upper	PTD4318022001																																																															
3AH3	12	40	1600	Contact arm Cu- Lower	PTD4318022008																																																															
3AH3	12	40	1600	Contact arm Cu - Upper	PTD4318022007																																																															
3AH3	12	40	2000	Contact Arm Cu. - Lower	PTD4318022004																																																															
3AH3	12	40	2000	Contact Arm Cu. - Upper	PTD4318022003																																																															
3AH3	12	40	2500	Contact Arm Cu. - Lower	PTD4318021004																																																															
3AH3	12	40	2500	Contact Arm Cu. - Upper	PTD4318021003																																																															
3AH3	12	40	3150	Contact Arm Cu. - Lower	PTD4318021004																																																															
3AH3	12	40	3150	Contact Arm Cu. - Upper	PTD4318021003																																																															
 <p><b>Contact Arms Upper &amp; Lower 2000 Amp (15 mm thickness) MOQ 3 Nos. Each</b></p>		 <p><b>Contact Arms Upper &amp; Lower 2500 Amp (20 mm thickness) MOQ 3 Nos. Each</b></p>																																																																		
 <p><b>Polypropylene tube PTD4306770001 Size 110 mm Dia X 310 length mm MOQ = 6 Nos. Each</b></p>	 <p><b>Nylon bolt for polypropylene tube PTD4306854001 M8 X 40 mm MOQ = 6 Nos. Each</b></p>	 <p><b>Bush for Polypropylene Tube PTD 4307162001 Upper &amp; Lower MOQ = 6 Nos. Each</b></p>																																																																		
 <p><b>Distance Holder above 1600 Amp PTD8PT12470 MOQ = 12 Nos. Each</b></p>	 <p><b>VCB Partition Assembly</b></p>	 <p><b>VCB Partition Assembly</b></p>																																																																		

## Panel Spares for 8BK80 12kV, 31.5 kA, 40 kA & 44 kA upto 3150 Amp for one VCB

Sr. No.	Spare Requirements	Product Descriptions	Rating	Required Qty. for one Panel	Images
1	Mandatory	Upper / Lower Bushing Suitable for 8BK80 - 800 mm panel PTD4306714101	1250 to 2500 Amp	6 Nos.	
2	Mandatory	Fixed Contact Upper PTD4317599001 10 mm Thickness	1250 Amp	3 Nos.	
		PTD 4317920001 Thickness 15 mm 2000 Amp	2000 Amp		
		PTD 4317879001 Thickness 20 mm 2500 Amp	2500 Amp		
3	Mandatory	Fixed Contact Lower For CT PTD4322540001 10 mm Thickness	1250 Amp	3 Nos.	
		For PTD 4322541001 15 mm Thickness Flat type	2000 Amp		
		For PTD 4322542001 20 mm Thickness Flat type	2500 Amp		
4	Mandatory	Bushing Guide Plate PTD4317984002 for 1250 Amp size 10 mm	1250 Amp	6 Nos.	
		PTD4317984003 upto 2000 Amp size 15 mm	2000 Amp		
		PTD4317984006 upto 2500 Amp size 20 mm	2500 Amp		
5	Mandatory	Bushing Shrouds PTD4317293001 • Standard Part No.	Common	3 Nos.	

Please check the product health at interval of 2 years, 5 years and 7 years

Sr. No.	Spare Requirements	Product Descriptions	Rating	Required Qty. for one Panel	Images
6	Mandatory	Door Handle PTD4326628002	Common	1 No.	
7	Mandatory	Insulator PTD4300969001 Dia 77 X 130 mm Length	Common	6 Nos.	
8	Mandatory	Space Heater BCOMPSH210003	Common	2 Nos.	
9	Mandatory	Thermostate BCOMTRM512001	Common	2 Nos.	
10	Optional	PTD4007013158 HYGROSTAT 8MR2170-4E (Optional) Hygrotherm	Common	1 No.	 
11	Mandatory	Local Remote Switch (Kaycee / Switron) Lockable / Non Lockable option	Common	1 No.	
12	Mandatory	Breaker Control Switch (Kaycee / Switron) Lockable / Non Lockable option	Common	1 No.	

**Note :** Sr. No. 11 & 12 need image from existing panel while placing order (No. of pole & AMP may be Different)

Please check the product health at interval of 2 years, 5 years and 7 years

## Strategic Spares Parts Kits for 3AH3 12kV, 31.5kA – Breaker

Strategic Spares Parts Kits for 3AH3 - Breaker									
Kit	Breaker	kV	kA	A	Ordering Code	MOQ	Unit	Figure	Remark
Pole Kit	3AH3	12	31.5	1250	PTD4007016103	Set	1	2-AA	
Pole Kit	3AH3	12	31.5	2000	PTD4007016104	Set	1	2-AA	
Pole Kit	3AH3	12	31.5	2500	PTD4007016105	Set	1	2-AA	
Contact Arm Kit	3AH3	12	31.5	1250	PTD4007016173	Set	1	4-AA	AL Contact Arm
Contact Arm Kit	3AH3	12	31.5	2000	PTD4007016174	Set	1	4-AA	
Contact Arm Kit	3AH3	12	31.5	2500	PTD4007016175	Set	1	4-AA	
Contact Arm Kit	3AH3	12	31.5	1250	PTD4007016263	Set	1	4-AA	Cu Contact Arm
Mechanism Kit	3AH3	12	31.5	1250	PTD4007016136	Set	1	3-A	
Mechanism Kit	3AH3	12	31.5	2000	PTD4007016137	Set	1	3-A	
Mechanism Kit	3AH3	12	31.5	2500	PTD4007016138	Set	1	3-A	
Rack in Mechanism Kit	3AH3 8BK80	12	-	-	PTD4007016198	Set	1	5-A	

## Strategic Spares Parts Kits for 3AH3 12kV, 40kA – Breaker

Kit	Breaker	kV	kA	A	Ordering Code	MOQ	Unit	Figure
Pole Kit	3AH3	12	40	1250	PTD4007016106	Set	1	2-AB
Pole Kit	3AH3	12	40	1600	PTD4007016107	Set	1	2-AB
Pole Kit	3AH3	12	40	2000	PTD4007016108	Set	1	2-AB
Pole Kit	3AH3	12	40	2500	PTD4007016109	Set	1	2-AB
Pole Kit	3AH3	12	40	3150	PTD4007016110	Set	1	2-AB
Contact Arm Kit	3AH3	12	40	1250	PTD4007016176	Set	1	4-AB
Contact Arm Kit	3AH3	12	40	1600	PTD4007016177	Set	1	4-AB
Contact Arm Kit	3AH3	12	40	2000	PTD4007016178	Set	1	4-AC
Contact Arm Kit	3AH3	12	40	2500	PTD4007016179	Set	1	4-AC
Contact Arm Kit	3AH3	12	40	3150	PTD4007016180	Set	1	4-AC
Mechanism Kit	3AH3	12	40	1250	PTD4007016139	Set	1	3-A
Mechanism Kit	3AH3	12	40	1600	PTD4007016140	Set	1	3-A
Mechanism Kit	3AH3	12	40	2000	PTD4007016141	Set	1	3-A
Mechanism Kit	3AH3	12	40	2500	PTD4007016142	Set	1	3-A
Mechanism Kit	3AH3	12	40	3150	PTD4007016143	Set	1	3-A
Rack in Mechanism Kit	3AH3 8BK80	12	-	-	PTD4007016198	Set	1	5-A

## Electrical & Maintenance Kit for 3AH3 12kV, 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	

Note : For Ordering purpose details required to supply correct Products

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

Please check the product health at interval of 2 years, 5 years and 7 years

## Panel Kit Spare

Kit	Panel	kV	kA	A	Ordering Code	MOQ	Unit	Figure
Panel Kit	8BK80 800W	12	-	1250	PTD4007016210	1	Set	6-IA
Panel Kit	8BK80 800W	12	-	1600	PTD4007016212	1	Set	6-IA
Panel Kit	8BK80 800W	12	-	2000	PTD4007016214	1	Set	6-IA
Panel Kit	8BK80 800W	12	-	2500	PTD4007016216	1	Set	6-IA
Panel Kit	8BK80 800W	12	-	3150	PTD4007016218	1	Set	6-IA

## Pole Kit

Kit	Panel	kV	kA	A	Ordering Code	MOQ	Unit	Figure
Pole Kit	3AH3	12	44	1250	PTD4007023107	Set	1	2-AB
Pole Kit	3AH3	12	44	1600	PTD4007023108	Set	1	2-AB
Pole Kit	3AH3	12	44	2000	PTD4007023108	Set	1	2-AB
Pole Kit	3AH3	12	44	2500	PTD4007023109	Set	1	2-AB
Pole Kit	3AH3	12	44	3150	PTD4007023110	Set	1	2-AB

## Electrical & Maintenance Kit (1-B)

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

Please check the product health at interval of 2 years, 5 years and 7 years

## VCB Pole Kit 3AH3 12kV 31.5kA (Figure 2-AA)

			
Vacuum Interrupter – 1X	Top flange – 1X	Bottom Flange – 1X	Switching bar assemebly – 1X
			
Current Link – 1X	Insulator – 2X	Copper Terminal – 1X	

## VCB Pole Kit 3AH3 12kV 40kA / 44kA (Figure 2-AB)

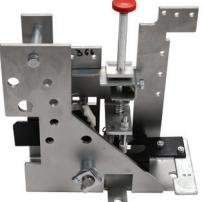
			
Vacuum Interrupter – 3X	Top flange – 3X	Bottom Flange – 3X	Switching bar assemebly – 3X
	 Any One type will be Supply.		
Current Link – 3X	Insulator – 6X	Copper Terminal – 3X	

## Contact Arms Kit For 3AH3 12kV (Figure 4-AC)

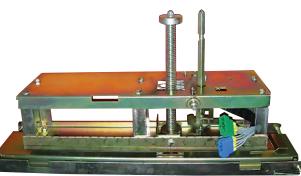
				
Contact Arms Upper – 3X & Lower – 3X	PP Tube with bush & Bolts – 6X	Distance Holder – 12X	Nylon bolt for polypropylene tube PTD4306854001 M8 X 40 mm Upper & Lower MOQ = 3 Nos. Each	Bush for Polypropylene Tube PTD 4307162001 Upper & Lower MOQ = 3 Nos. Each

Note : Image are identical do not consider similar part will be suitable for different KA & Amp rating

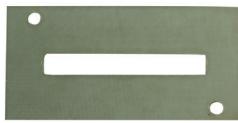
## VCB Mechanism Kit 3AH3 (Figure 3-A)

			
Gearbox + Gasket – 1X	Operation Counter – 1X	Connecting Rod – 1X	Shock Absorber – 1X
			
Switch Off Block – 1X	Switch On Spring – 1X	Switch Off Spring – 1X	Spring charging handle – 1X
			Securing Elements – 1pack

## VCB Rack in Mechanism Kit 3AH3 (Figure 5-A)

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

## Panel Spare Kit for 8BK80 (old) Panel 12kV (Figer 6-IA)

			
Bushings – 6X	Guide Plate – 6X	Fixed Contact Upper – 6X	Fixed Contact Lower – 6X
			
Insulator – 3X	Door Handle – 6X	Heater – 1X	Thermostat – 1X

**Note :** Fixed contact L type or Flat type need to confirm prior to placing order so we can deliver exact part 3 nos. each or type or L type 6 Nos.

## Notes

Siemens Limited  
Smart Infrastructure  
Distribution Systems  
Kalwa Works, Thane-Belapur Road  
Airoli Node, Navi Mumbai – 400708  
Tel.: +91-22-33265005

XX-XX-XXXX-XXX

[www.siemens.co.in](http://www.siemens.co.in)

Product upgradation is a continuous process. Hence,  
data in this catalog is subject to change without prior  
notice. For the latest information, please get in touch  
with our Sales Offices.