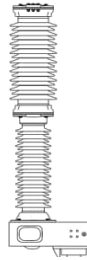
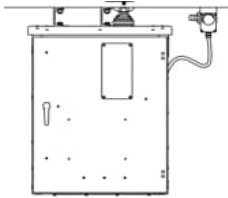

















Index



Sr no.	Description	Page no.
1	72.5kV 2500A 31.5 kA 3AP1FG	5
2	72.5kV 3150A 40kA 3AP1FG	8
3	145kV 3150A 3AP1FG-MCP	11
4	145kV 3150A 3AP1FG-SMART	14
5	145kV 3150A 3AP1FI-MCP	16
6	145kV 3150A 3AP1FI-SMART	19
7	245kV 3150A 3AP1FG-MCP	21
8	245kV 3150A 3AP1FG-SMART	25
9	245kV 3150A 3AP1FI-MCP	27
10	245kV 3150A 3AP1FI-smart	31
11	420kV	33
12	800kV	37
13	MCB Contactor PB	40

72.5kV 31.5kA 2500A 3AP1FG type CB


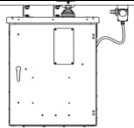





Sr. No	Material	Identification Photos
1	Complete pole without mechanism 25mm/kV	
2	Complete pole without mechanism 31mm/kV	
3	Complete Operating mechanism	
4	Drive Mechanism without control panel	
5	NRV for Gas Pipe with O ring	
6	NRV for Gas Pole with O ring	
7	NRV for Gas inlet with O ring	
8	O-Ring set for 1 pole	
9	Terminal Pad 4/8 Holes	







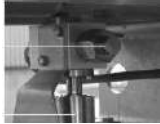
Sr. No	Material	Identification Photos
10	Molecular filter for SF6 Circuit for 1 Pole of CB	
11	Tripping Coil	
12	Closing Coil	
13	Tripping coil assembly	
14	Closing coil assembly	
15	Aux. Switch for CB (20 NO + 19 NC+4wi)	
16	Aux. Switch for Spring Charging Motor (4NO+8NC)	
17	Pressure Gauge with O ring	
18	SF6 Gas Density Monitor with O ring	
19	Block for SF6 gas density monitor	
20	Big gas pipe with O ring	
21	Small Gas pipe-I (Gear Box to density monitor) with O ring	
22	Small Gas pipe-II (Pressure Gauge to Density monitor) with O ring	




23	Gasket for operating mechanism	
24	Space Heater(100W) with Thermostat	
25	Motor 220V /110V	




Sr. No	Material	Identification Photos
26	Closing catchgear	
27	Opening catchgear	
28	Contactors, MCB Push buttons, Indication Lamps (as per Approved wiring)	

72.5kV 40kA 3150A 3AP1FG type CB


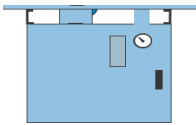

Sr. No.	Material	Identification Photos
1	Complete pole without mechanism 25mm/kV	
2	Complete pole without mechanism 31mm/kV	
3	Complete Operating mechanism	
4	Drive Mechanism without control panel	
5	NRV for Gas Pipe with O ring	
6	NRV for Gas Pole with O ring	
7	NRV for Gas inlet with O ring	
8	O-Ring set for 1 pole	
9	Terminal Pad -4/8 holes	
10	Molecular filter for SF6 Circuit for 1 Pole of CB	





Sr. No.	Material	Identification Photos
11	Tripping Coil	
12	Closing Coil	
13	Tripping coil assembly	
14	Closing coil assembly	
15	Aux. Switch for CB (20 NO + 19 NC+4wi)	
16	Aux. Switch for motor/ Limit Switch (4NO+8NC)	
17	Pressure Gauge with O ring	
18	SF6 Gas Density Monitor with O ring	
19	Block for SF6 gas density monitor	
20	Big gas pipe	
21	Small Gas pipe-I (Gear Box to density monitor) with O ring	
22	Small Gas pipe-II (Pressure Guage to Density monitor) with O ring	








23	Gasket for operating mechanism	
24	Space Heater(100W) with Thermostat	 

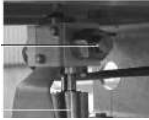


Sr. No.	Material	Identification Photos
25	Motor 220V /110V	
26	Closing catchgear	
27	Opening catchgear	
28	Contactors, MCB Push buttons, Indication Lamps (as per Approved wiring)	




145kV 40kA 3150A 3AP1FG type CB MCP

Sr. No	Material	Identification Photos
1	Complete pole without mechanism 25mm/kV	
2	Complete pole without mechanism 31mm/kV	
3	Complete Operating mechanism	
4	Drive Mechanism without control panel	
5	Insulator Support 25 mm/KV	
6	Insulator Support 31 mm/KV	


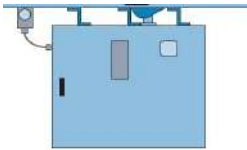

7	NRV for Gas Pole with O ring	
8	NRV for Gas inlet with O ring	
9	O-Ring set for 1 pole with O ring	
10	Terminal Pad -4/ 8 hole	
11	Molecular filter for SF6 Circuit for 1 Pole of CB	



Sr. No	Material	Identification Photos
12	Tripping Coil	
13	Closing Coil	
14	Tripping coil assembly	
15	Closing coil assembly	
16	Aux. Switch for CB (20 NO + 19 NC+4wi)	
17	Aux. Switch for motor/ Limit Switch (4NO+8NC)	
18	Pressure Gauge with O ring	
		







19	SF6 Gas Density Monitor with O ring	
20	Block for SF6 gas density monitor	
21	Big gas pipe with O ring	
22	Small Gas pipe with O ring	
23	Gasket for operating mechanism	
24	Space Heater(100W) with Thermostat	




Sr. No	Material	Identification Photos
25	Motor 220V /110V	
26	Closing catchgear	
27	Opening catchgear	
28	Contactors, MCB Push buttons, Indication Lamps (as per Approved wiring)	

145kV 40kA 3150A 3AP1FG type CB Smart





Sr. No	Material	Identification Photos
1	Complete pole without mechanism 25mm/kV	
2	Complete pole without mechanism 31mm/kV	
3	Complete Operating mechanism	
4	Drive Mechanism without control panel	
5	Insulator Support 25 mm/KV	
6	Insulator Support 31 mm/KV	




7	NRV for Gas Pole with O ring	
8	NRV for Gas inlet with O ring	
9	O-Ring set for 1 pole with O ring	
10	Terminal Pad -4/ 8 hole	







Sr. No	Material	Identification Photos
11	Molecular filter for SF6 Circuit for 1 Pole of CB	
12	Tripping Coil	
13	Closing Coil	
14	Aux. Switch for CB (20 NO + 19 NC+4wi)	
15	Microswitch (For Smart Breaker)	
16	Pressure Gauge with Density Monitor with O ring	
17	Big gas pipe with O ring	
		




18	Gasket for operating mechanism	
19	Space Heater(100W) with Thermostat	
20	Motor 220V /110V	
21	Contactors, MCB Push buttons, Indication Lamps (as per Approved wiring)	

145kV 40kA 3150A 3AP1FI type CB MCP


Sr. No	Material	Identification Photos
1	Complete pole without mechanism 25mm/kV	
2	Complete pole without mechanism 31mm/kV	
3	Complete Operating mechanism	
4	Marshaling Box	
5	Drive Mechanism without control panel	
6	Insulator Support 25 mm/KV	

7	Insulator Support 31 mm/KV	
8	NRV for Gas Pole with O ring	
9	NRV for Gas inlet with O ring	
10	O-Ring set for 1 pole with O ring	
11	Terminal Pad -4/ 8 hole	



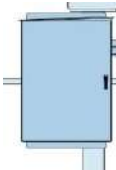

Sr. No	Material	Identification Photos
12	Molecular filter for SF6 Circuit for 1 Pole of CB	
13	Tripping Coil	
14	Closing Coil	
15	Tripping coil assembly	
16	Closing coil assembly	
17	Aux. Switch for CB (20 NO + 19 NC+4wi)	
18	Aux. Switch for motor/ Limit Switch (4NO+8NC)	




19	Pressure Gauge with O ring	
20	SF6 Gas Density Monitor with O ring	
21	Block for SF6 gas density monitor	
23	Small gas pipe 1 with O ring	
24	Small Gas pipe 2 with O ring	







Sr. No	Material	Identification Photos
25	Gasket for operating mechanism	
27	Space Heater(100W) with Thermostat	
28	Motor 220V /110V	
29	Closing catchgear	
30	Opening catchgear	
31	Contactors, MCB Push buttons, Indication Lamps (as per Approved wiring)	
32	Opening Latch (18.9)	



33	Supporting Latch (18.9.1)	
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145kV 40kA 3150A 3AP1FI type CB Smart





Sr. No.	Material	Identification Photos
1	Complete pole without mechanism 25mm/kV	
2	Complete pole without mechanism 31mm/kV	
3	Complete Operating mechanism	
4	Marshaling Box	
5	Drive Mechanism without control panel	
6	Insulator Support 25 mm/KV	
7	Insulator Support 31 mm/KV	

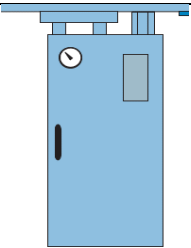
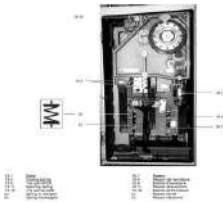




8	NRV for Gas Pole with O ring	
9	NRV for Gas inlet with O ring	
10	O-Ring set for 1 pole with O ring	
11	Terminal Pad -4/ 8 hole	









Sr. No.	Material	Identification Photos
12	Molecular filter for SF6 Circuit for 1 Pole of CB	
13	Tripping Coil	
14	Closing Coil	
17	Aux. Switch for CB (20 NO + 19 NC+4wi)	
18	Microswitch (For Smart Breaker)	
19	Pressure Gauge with Density Monitor with O ring	
23	Small gas pipe with O ring	
25	Gasket for operating mechanism	
		



27	Space Heater(100W) with Thermostat	
28	Motor 220V /110V	
31	Contactors, MCB Push buttons, Indication Lamps (as per Approved wiring)	

**245kV 50kA 3150A
3AP1FG type CB MCP**


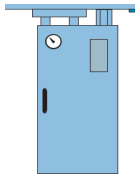
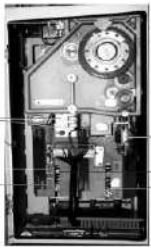



Sr. No.	Material	Identification Photos
1	Complete pole without mechanism 25mm/kV Single Support	
2	Complete pole without mechanism 25mm/kV Double Support	
3	Complete pole without mechanism 31mm/kV Single Support	
4	Complete pole without mechanism 31mm/kV Double Support	










Sr. No.	Material	Identification Photos
5	Complete Operating mechanism	
6	Drive Mechanism	
7	NRV for Gas Pole with O ring	
8	NRV for Gas inlet with O ring	
9	O-Ring set for 1 pole	
10	Terminal Pad -4/8 hole	
11	Molecular filter for SF6 Circuit for 1 Pole of CB	

Sr. No.	Material	Identification Photos
12	Tripping Coil	
13	Closing Coil	
14	Tripping coil assembly	
15	Closing coil assembly	
16	Aux. Switch for CB (20 NO + 19 NC+4wi)	
17	Aux. Switch for motor/ Limit Switch (4NO+8NC)	
18	Pressure Gauge with O ring	
19	SF6 Gas Density Monitor with O ring	
20	Block for SF6 density Monitor	
21	Big gas pipe with O ring	
22	Small Gas pipe with O ring	





Sr. No.	Material	Identification Photos
23	Gasket for operating mechanism	
24	Space Heater(100W) with Thermostat	
25	Motor 220V /110V	
26	Closing catchgear	
27	Opening catchgear	
28	Contactors, MCB Push buttons, Indication Lamps (as per Approved wiring)	

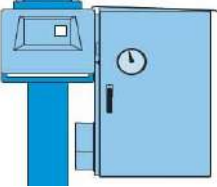
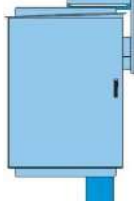





**245kV 50kA 3150A
3AP1FG type CB Smart**









Sr. No.	Material	Identification Photos
1	Complete pole without mechanism 25mm/kV Single Support	
2	Complete pole without mechanism 31mm/kV Single Support	
3	Complete Operating mechanism	
4	Drive Mechanism	
5	NRV for Gas Pole with O ring	
6	NRV for Gas inlet with O ring	
7	O-Ring set for 1 pole	
8	Terminal Pad -4/8 hole	






Sr. No.	Material	Identification Photos
9	Molecular filter for SF6 Circuit for 1 Pole of CB	
10	Tripping Coil	
11	Closing Coil	
12	Aux. Switch for CB (20 NO + 19 NC+4wi)	
13	Microswitch(1NO+1NC)	
14	Pressure Gauge with Density Monitor with O ring	
15	Big gas pipe with O ring	
16	Gasket for operating mechanism	
17	Space Heater(100W) with Thermostat	
18	Motor 220V /110V	
19	Contactors, MCB Push buttons, Indication Lamps (as per Approved wiring)	

245kV 50kA 3150A 3AP1FI type CB MCP


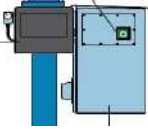

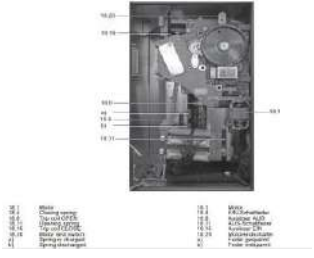



Sr. No.	Material	Identification Photos
1	Complete pole without mechanism 25mm/kV Single Support	
2	Complete pole without mechanism 25mm/kV Double Support	
3	Complete pole without mechanism 31mm/kV Single Support	
4	Complete pole without mechanism 31mm/kV Double Support	






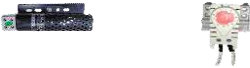


Sr. No.	Material	Identification Photos
5	Complete Operating mechanism	
6	Marshaling Box	
7	Drive Mechanism	
8	NRV for Gas Pole with O ring	
9	NRV for Gas inlet with O ring	
10	O-Ring set for 1 pole	
11	Terminal Pad -4/8 hole	
12	Molecular filter for SF6 Circuit for 1 Pole of CB	

Sr. No.	Material	Identification Photos
13	Tripping Coil	
14	Closing Coil	
15	Tripping coil assembly	
16	Closing coil assembly	
17	Aux. Switch for CB (20 NO + 19 NC+4wi)	
18	Aux. Switch for motor/ Limit Switch (4NO+8NC)	
20	Pressure Gauge with O ring	
21	SF6 Gas Density Monitor with O ring	
22	Block for SF6 density Monitor	
23	Small Gas pipe 1 with O ring	
24	Small Gas pipe 2 with O ring	


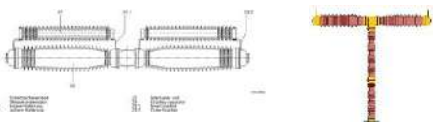



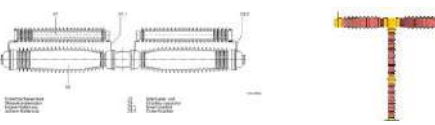


Sr. No.	Material	Identification Photos
25	Gasket for operating mechanism	
26	Space Heater(100W) with Thermostat	
27	Motor 220V /110V	
28	Closing catchgear	
29	Opening catchgear	
30	Contactors, MCB Push buttons, Indication Lamps (as per Approved wiring)	

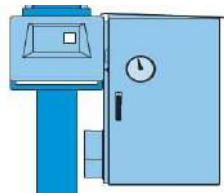
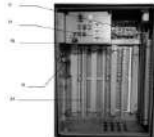
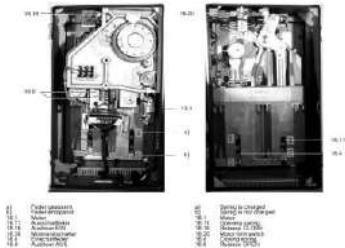




**245kV 50kA 3150A
3AP1FI SMART type CB**










Sr. No.	Material	Identification Photos
1	Complete pole without mechanism 25mm/kV Single Support	
3	Complete pole without mechanism 31mm/kV Single Support	
5	Complete Operating mechanism	
6	Marshaling Box	
7	Drive Mechanism	
8	NRV for Gas Pole with O ring	
9	NRV for Gas inlet with O ring	
10	O-Ring set for 1 pole	
11	Terminal Pad -4/8 hole	

Sr. No.	Material	Identification Photos
12	Molecular filter for SF6 Circuit for 1 Pole of CB	
13	Tripping Coil	
14	Closing Coil	
17	Aux. Switch for CB (20 NO + 19 NC+4wi)	
19	Microswitch(1NO+1NC)	
23	Pressure Gauge with Density Monitor with O ring	
25	Small Gas pipe with O ring	
26	Gasket for operating mechanism	
27	Space Heater(100W) with Thermostat	
28	Motor 220V /110V	
31	Contactors, MCB Push buttons, Indication Lamps (as per Approved wiring)	

420kV 3AP2FI & 3AP3FI type CB

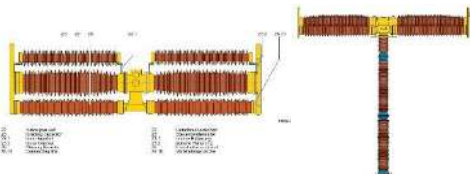
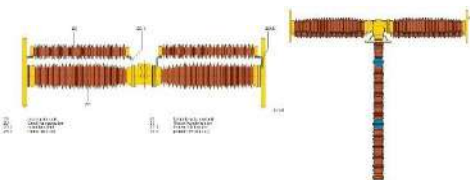
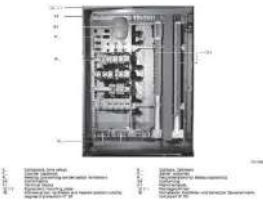



Sr. No	Material	Identification Photos
1	Complete Pole without mechanism for with GC with PIR 25mm/kV type	
2	Complete Pole without mechanism for with GC without PIR 25mm/kV type	
3	Complete Pole without mechanism for without GC without PIR 25mm/kV type	
4	Complete Pole without mechanism for without GC with PIR 25mm/kV type	
5	Complete Pole without mechanism for with GC with PIR 31mm/kV type	
6	Complete Pole without mechanism for with GC without PIR 31mm/kV type	
7	Complete Pole without mechanism for without GC without PIR 31mm/kV type	
8	Complete Pole without mechanism for without GC with PIR 31mm/kV type	








Sr. No	Material	Identification Photos
13	Grading Capacitor 25 mm/kV	
14	Grading Capacitor 31 mm/kV	
15	Complete operating mechanism	
16	Marshalling box	
17	Drive mechanism	
18	NRV for Gas Pole with O ring	
19	NRV for Gas inlet with O ring	
20	O-Ring set for 1 pole	
21	Terminal Pad -4/8 hole	
22	Molecular filter for SF6 Circuit for 1 Pole of CB	






Sr. No	Material	Identification Photos
23	Tripping Coil	
24	Closing Coil	
25	Tripping coil assembly	
26	Closing coil assembly	
27	Aux. Switch for CB (20 NO + 19 NC+4wi)	
28	Aux. Switch for Spring Charging Motor	
29	Pressure Gauge with O ring	
30	SF6 Gas Density Monitor with O ring	
31	Block for SF6 density Monitor	
31	small gas pipe -1 with O ring	
32	small gas pipe -2 with O ring	
33	Gasket for operating mechanism	

Sr. No	Material	Identification Photos
34	Space Heater (100W) with Thermostat	
35	Motor -110V/220V	
37	Closing catchgear	
38	Opening catchgear	
39	Timers & MCB (1 no. of each type as per Approved wiring)	







800 kV 3AP4FI & 3AP5FI type CB

Sr. No	Material	Identification Photos
1	Complete Pole with GC with PIR 25mm/kv	
2	Complete Pole with GC without PIR 25mm/kv	
3	Complete Pole with GC with PIR 31mm/kv	
4	Complete Pole with GC without PIR 31mm/kv	
7	Complete operating mechanism	
8	Marshalling box	
9	Drive mechanism	
10	NRV for Gas Pole with O ring	
11	NRV for Gas inlet with O ring	

Sr. No	Material	Identification Photos
12	O-Ring set for 1 pole	
13	Terminal Pad	
14	Molecular filter for SF6 Circuit for 1 Pole of CB	
15	Tripping Coil	
16	Closing Coil	
17	Tripping coil assembly	
18	Closing coil assembly	
19	Aux. Switch for CB (20 NO + 19 NC+4wi)	
20	Aux. Switch for Spring Charging Motor	
21	Pressure Gauge with O ring	





Sr. No	Material	Identification Photos
22	SF6 Gas Density Monitor with O ring	
23	Small gas pipe -1 with O ring	
24	Small gas pipe -2 with O ring	
25	Gasket for operating mechanism	
26	Space Heater(100W) with Thermostat	
27	Motor -110V/220V	
29	Closing catchgear	
30	Opening catchgear	
31	Timers & MCB (1 no. of each type as per Approved wiring)	

MCBs, Contactors and Accessories

Sr. No.	Material	Identification Photos
1	Contactor	
1.1	Contactor 2 NO + 2 NC 220V DC 3RH2 type	
1.2	Contactor 2 NO + 2 NC 110V DC 3RH2 type	
1.3	Contactor 4NO 220V DC 3RH2 type	
1.4	Contactor 4NO 110V DC 3RH2 type	
1.5	Contactor 2 NO + 2 NC 48V DC 3RH2 type	
2	Aux contact block or add on block	
2.1	2NO+2NC 3RH2 type	
2.1	4NO 3RH2 type	
2.1	4NC 3RH2 type	

Sr. No.	Material	Identification Photos
2.1	1NO+3NC 3RH2 type	
2.1	3NO+1NC 3RH2 type	
3	MCB	
3.1	DC MCB 16A 2 Pole	
3.2	AC MCB 10A 4 Pole	
3.3	AC MCB 10A 2 Pole	
3.4	DC MCB 10A 2 Pole	
3.5	AC MCB 10A Single Pole	
4	Indication Lamp	
4.1	Indication Lamp, Red 110V DC	
4.2	Indication Lamp, Green 110V DC	
4.3	Indication Lamp, Blue 110V DC	

Sr. No.	Material	Identification Photos
4.4	Indication Lamp, Amber 110V DC	
4.5	Indication Lamp, Red 220V DC	
4.6	Indication Lamp, Green 220V DC	
4.7	Indication Lamp, Blue 220V DC	
4.8	Indication Lamp, Amber 220V DC	
5	Push button Assembly	
5.1	Push button Assembly Red	
5.2	Push button Assembly Green	
5.3	Push button Assembly Yellow	
6	Local Remote selector Switch	
7	TNC switch	

Sr. No.	Material	Identification Photos
8	Door limit switch	
9	Operation counter (Mechanical)	
10	Operation Counter (Electrical) 110V DC	
11	Operation Counter (Electrical) 220V DC	
12	Pole Discrepancy Relay	
13	CTD	
14	SF6 Gas Cylinder- 4.5 Kg	
15	SF6 Gas Cylinder-9 Kg	
16	SF6 Gas Cylinder-18 Kg	
17	SF6 Gas Cylinder-50 Kg	
18	O-Ring 12.5 mm	
19	O Ring 14 mm	
20	O Ring 112 mm	
21	O Ring 148 mm	

Sr. No.	Material	Identification Photos
22	O Ring 27mm	
23	O Ring 142 mm	
24	SF6 gas filling kit for HVCB	
25	Gas leak detector (AES Make)	
26	Spring charging handle	
27	Bridge rectifier	
28	Vaseline 200gm ,molycote 100gm ,grease 100 gm	