

LV BlokSeT Panel Fixed



BlokSeT FIXED	
APPLICATION	Protection & Control of Power Distribution
REFERENCE STANDARD	IEC 61439-1,2 & 3
RATED VOLTAGE	Up to 690V
RATED CURRENT	Up to 7000A - Cu Up to 5500A - Al
PHASE/ FREQUENCY	3 Phase 50/60 Hz
INSULATION VOLTAGE	1000V
SHORT TIME WITHSTAND	35/50/85/100kA rms/sec - Cu 50/65/85kA rms/sec - Al
DEGREE OF PROTECTION	Up to IP54
FORM OF SEPRATION	Up to Form 4B
MAX. TEMP. RISE	As per IEC 61439
RELATIVE HUMIDITY	95%
MATERIAL OF BUS BAR	Cu/Al
SPECIAL TEST	Internal arc 85kA, 0.5 sec as per IEC 61641 for Al Internal arc 100kA, 0.4 sec as per IEC 61641 for Cu Seismic Compliance as per IS 1893



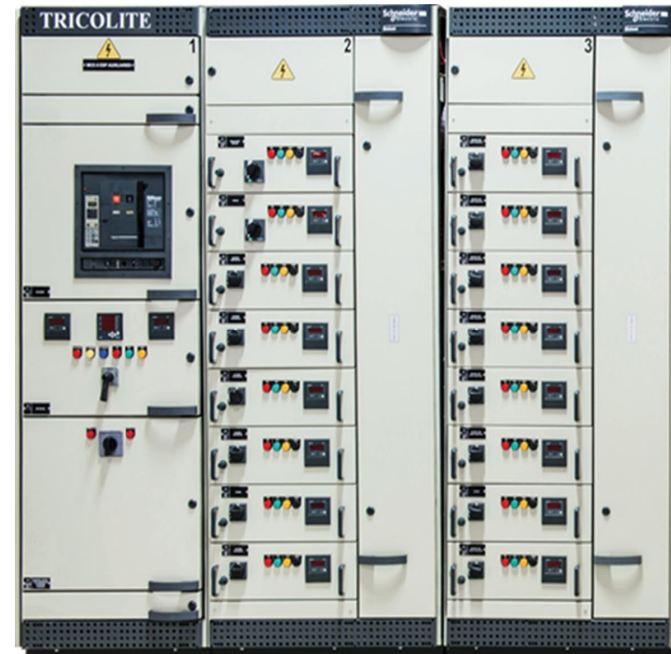
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LV BlokSeT Panel Draw out



BlokSeT DRAWOUT	
APPLICATION	Protection & Control of Motors
REFERENCE STANDARD	IEC 61439-1,2 & 3
RATED VOLTAGE	Up to 690V
MAX. RATED POWER FOR DRAWOUT STARTER	250kW
MAX. CURRENT RATING FOR VERTICAL BUS BAR	2000A
PHASE/ FREQUENCY	3 Phase 50 Hz
SHORT TIME WITHSTAND	Up to 85kA
DEGREE OF PROTECTION	IP54
MAX. TEMP. RISE	As per IEC 61439
FORM OF SEPRATION	Up to Form 4B
ASSEMBLY TYPE	MW2



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LV Ti Panel



LK Ti FIXED	
APPLICATION	Protection & Control of Power Distribution
REFERENCE STANDARD	IEC 61439-1,2 & 3
RATED VOLTAGE	Up to 690V AC
RATED CURRENT	Up to 6300A – Al Up to 8000A - Cu
PHASE/ FREQUENCY	3 Phase 50/60 Hz
INSULATION VOLTAGE	690V - 1000V
SHORTY TIME WITHSTAND	Up to 100kA for 1 sec
PEAK WITHSTAND CURRENT	Up to 220kA
DEGREE OF PROTECTION	Up to IP55
FORM OF SEPRATION	Up to Form 4B
MAX. TEMP. RISE	As per IEC 61439
MATERIAL OF BUS BAR	Cu/Al
SPECIAL TEST	Internal arc 85kA, 0.5 sec as per IEC 61641 Seismic Compliance Zone V



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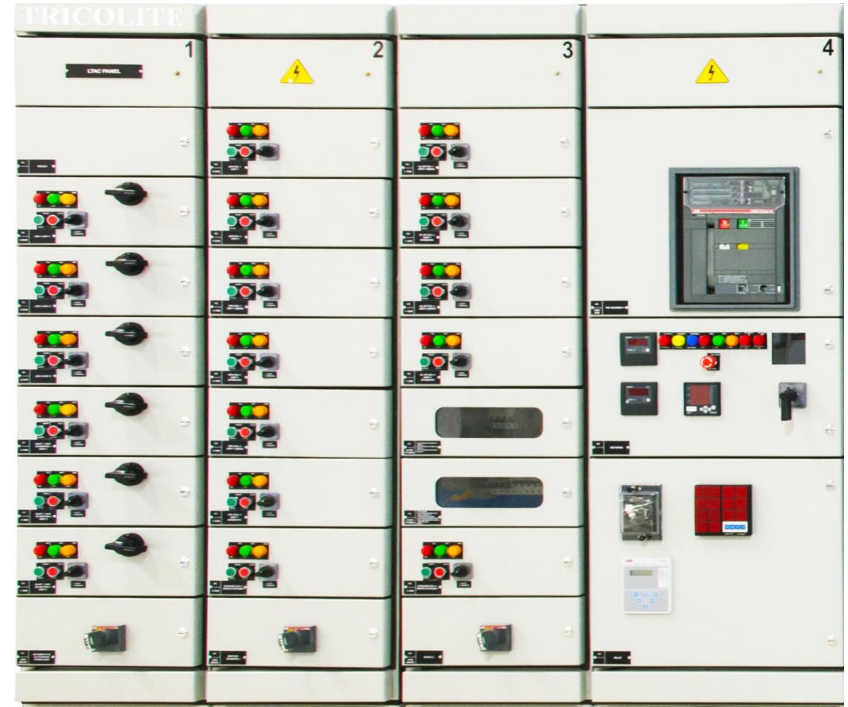


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LV TSAFE Panel

TSAFE

TRICOLITE TSAFE FIXED	
APPLICATION	Power Distribution , Protection , Control & Management
REFERENCE STANDARD	IEC 61439-1 & 2 Complied
RATED VOLTAGE	Up to 690V
RATED CURRENT	Up to 5000A
PHASE/ FREQUENCY	3 Phase 50 Hz
INSULATION VOLTAGE	1000V
SHORT TIME WITHSTAND	35/50/65kA rms/sec
DEGREE OF PROTECTION	IP54 for Indoor / IP65 for Outdoor
FORM OF SEPARATION	Up to Form 4B
MAX. TEMP. RISE	As per IEC 61439
MATERIAL OF BUS BAR	Cu/Al
SPECIAL TEST	Seismic Compliance Zone IV



11kV AIS Panel

TPRIME **ABB**

11kV AIS Panel	
APPLICATION	Control, Protection & Power Distribution
REFERENCE STANDARD	IEC 62271- 100 & 200
RATED VOLTAGE	12kV
RATED CURRENT	up to 3150A
PHASE/ FREQUENCY	3 Phase 50 Hz
POWER FREQUENCY WITHSTAND	28kV (rms)
RATED BASIC INSULATION LEVEL	75kV (Peak)
SHORT TIME WITHSTAND	up to 40kA for 3 sec
PEAK WITHSTAND CURRENT	50/66/80/100kA Peak
DEGREE OF PROTECTION	IP4X Indoor , IP55 Outdoor
MAX. TEMP. RISE	As per IEC 62271
SPECIAL TEST	Internal Arc Certified AFLR for 1 sec in all 3 chambers
DIMENSION (WxHxD) mm	600x2275x1600 for bottom Entry



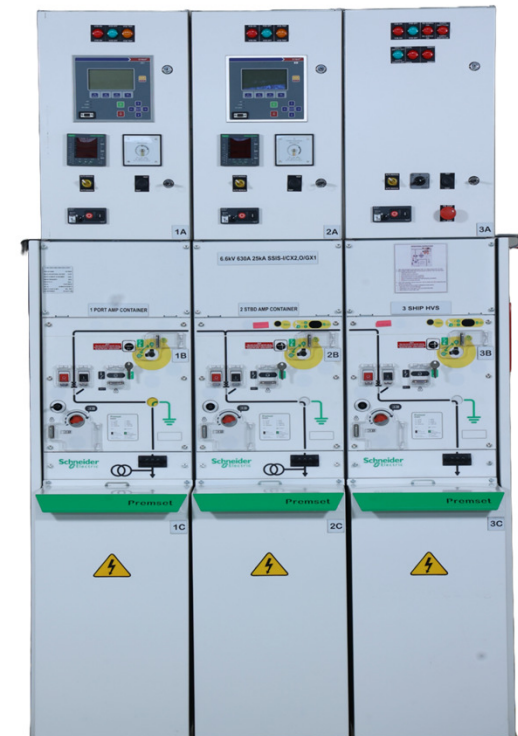
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11kV SSIS Panel

PremSeT 

11kV SSIS - PremSet	
APPLICATION	Control & Protection of Transformer, Feeder
REFERENCE STANDARD	IEC 62271- 100 & 200
RATED VOLTAGE	17.5kV
RATED CURRENT	up to 1250A
PHASE/ FREQUENCY WITHSTAND	3 Phase 50 Hz
RATED POWER FREQUENCY WITHSTAND VOLTAGE	42 / 48kV 1mn
RATED BASIC INSULATION LEVEL (BIL)	95 / 110kV
SHORT TIME WITHSTAND	21/25kA x 3s / 20kA x4s
DEGREE OF PROTECTION	IP3X / IP67 MV parts
SPECIAL TEST	Internal Arc Certified AFLR for 25kA for 1s
CABLE EARTHING SWITCH	25kA, M0, E2
DIMENSIONS (WxHxD) mm – 630 A	375x1795x910mm (Indoor)



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33kV AIS Panel

TPRIME

33kV AIS Panel	
APPLICATION	Control & Protection of Transformer, Feeder
REFERENCE STANDARD	IEC 62271- 100 & 200
RATED VOLTAGE	36kV
RATED CURRENT	up to 3150A
PHASE/ FREQUENCY	3 Phase 50 Hz
POWER FREQUENCY WITHSTAND VOLTAGE	70kV (rms)
RATED BASIC INSULATION LEVEL (BIL)	170kV (Peak)
SHORT TIME WITHSTAND	31.5kA for 3 Sec
PEAK WITHSTAND CURRENT	50/66/80kA Peak
DEGREE OF PROTECTION	IP4X Indoor / IP55 Outdoor
MAX. TEMP. RISE	As per IEC 62271
SPECIAL TEST	Internal Arc Certified AFLR at 31.5kA for 1 sec in all 3 chambers
DIMENSION (WxHxD) mm	1000x2475x2200 for bottom Entry



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MV CAPACITOR PANEL

TPOWER MV

MV CAPACITOR PANEL	
CAPACITOR TYPE	APP
RATED VOLTAGE	3.3kV to 12kV
PHASE/ FREQUENCY	3 Phase 50 Hz
RATED OUTPUT	50 to 1800kVAR
NUMBER OF STEPS	Up to 16 steps as per requirement
SHORT TIME WITHSTAND	10kA to 31kA /1s (Incomer & Bus Bar)
SWITCHING	Fixed / Manual / Automatic
INSTALLATION	Indoor / Outdoor
ENCLOSURE	CRCA with painting
DEGREE OF PROTECTION	IP4X to IP55
SERIES REACTOR	Optional / 0.2% / 6%



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PSS: PACKAGED SUB STATION

TPSS

PACKAGE SUBSTATION	
REFERENCE STANDARD	IEC 62271-202
RATINGS	From 200kVA to 2000kVA
RATED VOLTAGE (MV/LV)	11kV/415V
RATED CURRENT (MV/LV)	630A/3200A
RATED POWER FREQUENCY WITHSTAND VOLTAGE	28kV
RATED LIGHTING IMPULSE WITHSTAND VOLTAGE	75kV
RATED SHORT TIME CURRENT RATING (MV/LV)	21kA for 3 sec for MV / 36kA or 50kA for 1 sec for LV
DEGREE OF PROTECTION	IP34 / IP54
TEMPERATURE CLASS	K10
RMU TYPE	RT2 / CCTR/ Metering Optional
TRANSFORMER TYPE / COOLING	Oil type / Dry type ONAN / AN
TEMPERATURE RISE	As per IEC 62271
SPECIAL TEST	Internal Arc Test – 21kA/1sec



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CONTROL & RELAY PANEL

TPRIME

C&R Panel	
APPLICATION	Transformer Protection / Feeder Protection
REFERENCE STANDARD	IEC 62271- 100 & 200
COMMUNICATION PROTOCOL	IEC 61850 or As Per Requirement
PANEL TYPE	Simplex
DEGREE OF PROTECTION	IP4X Indoor / IP55 Outdoor
RATED VOLTAGE	Up to132kV
NOMINAL VOLTAGE	33kV / 11kV
HIGHEST SYSTEM VOLTAGE	36kV / 12kV
PHASE/ FREQUENCY	3 Phase 50 Hz
AUXILIARY DC SUPPLY	30V / 110V / 220V
AUXILIARY AC SUPPLY	230V, 1-Phase
NEUTRAL EARTHING	Solidly Earthed
PROTECTION RELAYS	Numerical or As Per Requirement



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LV Sandwich Busways Power & Lighting



POWER & LIGHTING SANDWICH BUSWAYS

APPLICATION	Termination between Equipment/Switchboard to Switchboard
REFERENCE STANDARD	IEC 61439 - Part 1 & 6
CURRENT RATING	I-Line II Al - 630A to 6300A I-Line II Cu - 800A to 6300A Canalis KS Range – 100A to 1000A Lighting BBT – 25A & 40A Track Busway – 250A to 1000A
DEGREE OF PROTECTION	IP54 for Indoor I IP65 for Outdoor (With Canopy)
SEISMIC COMPLIANCE	Zone-IV & V
HOUSING	Electro Galvanized steel 1.5mm
TYPE OF INSULATION	Mylar / Polyethylene Terephthalate
INSULATION CLASS	Class B- 130°C / Class F- 155°C
QUALITY ACCREDITATION	DEKRA, CE, ASTA, UL, KEMA KEUR
EARTHING SYSTEM	Integral Earth
NEUTRAL CONFIGURATION	50%, 100%, 200%
JOINTS & PLUG IN CONTACTS	Silver Flashed / Tin Plated



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LV UPS



UPS	
REFERENCE STANDARD	IEC 62040-1, 2, 3, 4 Standards
KVA RATING	10kVA – 600kVA Standard modules
RATED INPUT VOLTAGE	380/400/415V (Three-phase + Neutral + PE)
NOMINAL OUTPUT VOLTAGE	380/400/415V
PARALLEL OUTPUT	Maximum 4 UPS for capacity
FREQUENCY	40 – 60 Hz
INPUT POWER FACTOR THD-I	More Than 0.99 / Less Than 3% at full linear load
EFFICIENCY	96% Online Mode, 99% ECO Mode
DUAL MAINS INPUT	Yes - Default Single Mains Input
COMMUNICATION	RS485, dry contacts, Ethernet (SNMP, Modbus, TCP/IP)
CONTROL PANEL	Touchscreen LCD, status, and display console
MARKING	CE
BATTERY TYPE	VRLA/LIB
PROTECTION CLASS	IP20
REGULATORY	Safety IEC/EN 62040-1 EMC/EMI/RFI IEC/EN 62040-2 Performance IEC/EN 62040-3 Environmental IEC 62040-4



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