

Automatic Transfer Switch Equipment S3M250-220/4(F/T)



- PC-Class change-over switch
- Dual power supply design: power supply A (main) and power supply B (standby)
- Supports AC systems with a rated current of 160 A to 250 A
- Monitoring: Three-phase sampling
- Transfer Positions: Three-position (A-0-B)
- Firefighting Interlock Function
- Compliance with IEC 60947-6-1:2021

Technical Data

S3M250-220/4

220

IEC Electrical

Single-Phase Rated Voltage (Phase-to-Neutral) (AC)		230 V
Rated Operational Voltage (Phase-to-Phase) (AC)	U_e	400 V
Case Grade		250 A
Rated Operational Current	I_e	250 A
Rated Insulation Voltage (Main Circuit)	U_i	800 V
Rated Impulse Withstand Voltage (Main Circuit)	U_{imp}	8 kV
Rated Insulation Voltage (Control Circuit)	U_i	690 V
Rated Impulse Withstand Voltage (Control Circuit)	U_{imp}	4 kV
Rated Short-Time Withstand Current	I_{cw}	10 kA / 30 ms
Rated Short-Circuit Making Capacity	I_{cm}	17 kA
Rated Frequency		50/60 Hz
Automatic Switching Time (A to B)		≤ 200 ms
Load Disconnect Time		≤ 100 ms
Pole Number		4P
Usage Category		AC-33iB
TSE Class		PC-Class
Control Circuit		155-300 V AC, 50 Hz
Auxiliary Circuit		70% - 120% U_e , 50 Hz, $I_e = 6$ A
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 165 V / Overvoltage Value: 270 V
Mechanical Life		8000 times
Electrical Life		3000 times
Max Switching Frequency		60 operations per hour
Additional Functions		F (Mains to Generator) Automatic generator start/stop supported T (Communication) External communication interface
Generator Start Control		One normally open output (3 A / 230 V AC), immediate start, 5 s stop delay
Return Transfer Delay (B to A)		Adjustable from 0 to 30 s
Degree of Protection		IP20

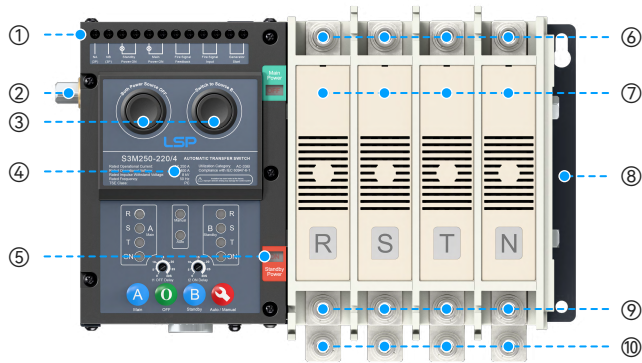
Order Information

Ordering Code	220
S3M250-220/4	2512440
S3M250-220/4F	2512441
S3M250-220/4T	2512442
S3M250-220/4FT	2512443



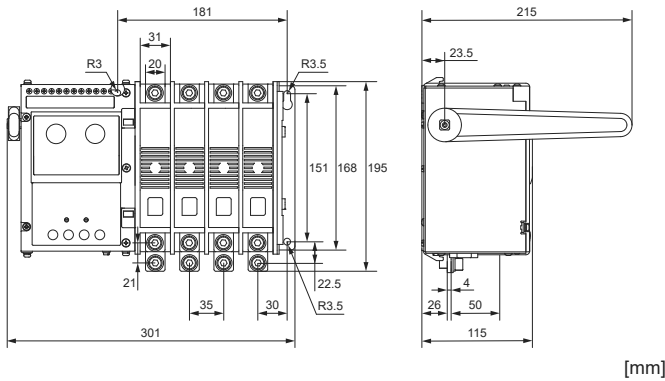
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Wiring Instructions



- ① Terminal Blocks for Main Power A & Standby Power B
- ② Commissioning Handle
- ③ Power Off / Transfer to Standby Power Push Button
- ④ Nameplate
- ⑤ Mechanical Indicator of Power Transfer
- ⑥ Main Power Terminals
- ⑦ Terminals Block Modules
- ⑧ Mounting Base
- ⑨ Standby Power Terminals
- ⑩ Load Terminals

Dimensions & Packaging



Packing Information

Units per Carton	1 pcs
Product / Inner box / Carton Weight	8.72 kg / 0.68 kg
Net / Gross Weight per Carton	8.72 kg / 9.4 kg
Dimensions (H × W × L)	[210 × 270 × 380 mm]

Easy Installation Instructions

