

Automatic Transfer Switch Equipment G3M100-220/4(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 16 A to 100 A
- Monitoring: Three-phase sampling
- Transfer Positions: Three-position (A-0-B)
- Firefighting Interlock Function
- Compliance with IEC 60947-6-1:2021

Technical Data

G3M100-220/4

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		100 A
Rated Operational Current	I_e	100 A
Rated Insulation Voltage (Main Circuit)	U_i	500 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}	5 kA / 30 ms
Rated Short-Circuit Making Capacity	I_{cm}	8 kA
Rated Frequency		50/60 Hz
Automatic Switching Time (A to B)		3 s
Load Disconnect Time		1.3 s
Pole Number		4P
Usage Category		AC-33B
TSE Class		PC-Class
Control Circuit		155-300 V AC, 50 Hz
Auxiliary Circuit		70% - 120% U_e , 50 Hz, $I_e = 3 A$
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 165 V / Overvoltage Value: 270 V
Mechanical Life		10000 times
Electrical Life		1500 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
Degree of Protection		IP20

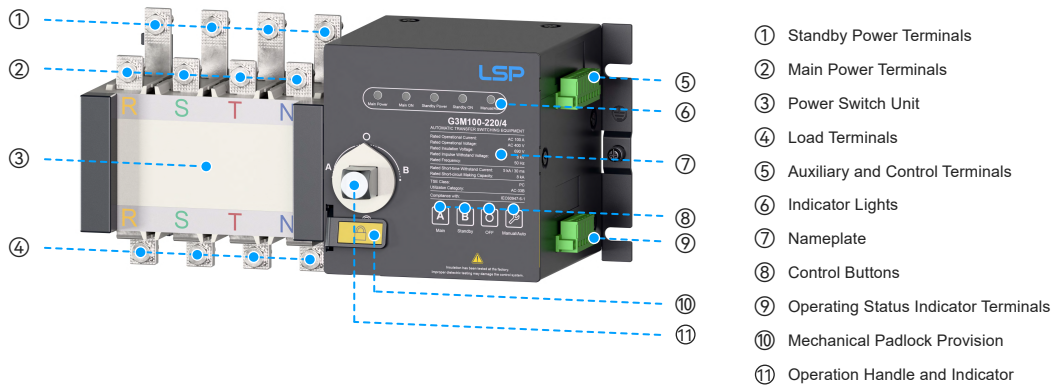
Order Information

Ordering Code	220
G3M100-220/4	1012450
G3M100-220/4F	1012451
G3M100-220/4T	1012452
G3M100-220/4FT	1012453

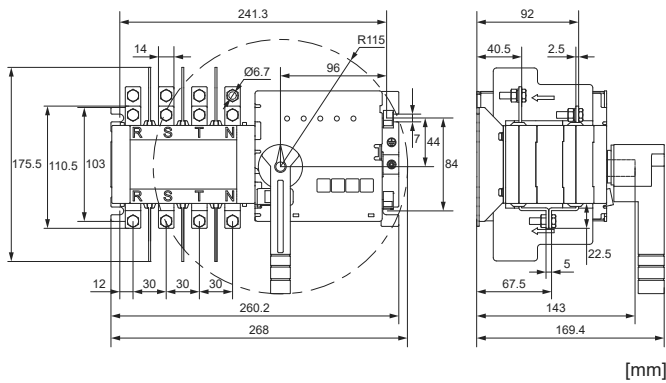


G3M100-220/4(F/T)

Product Overview



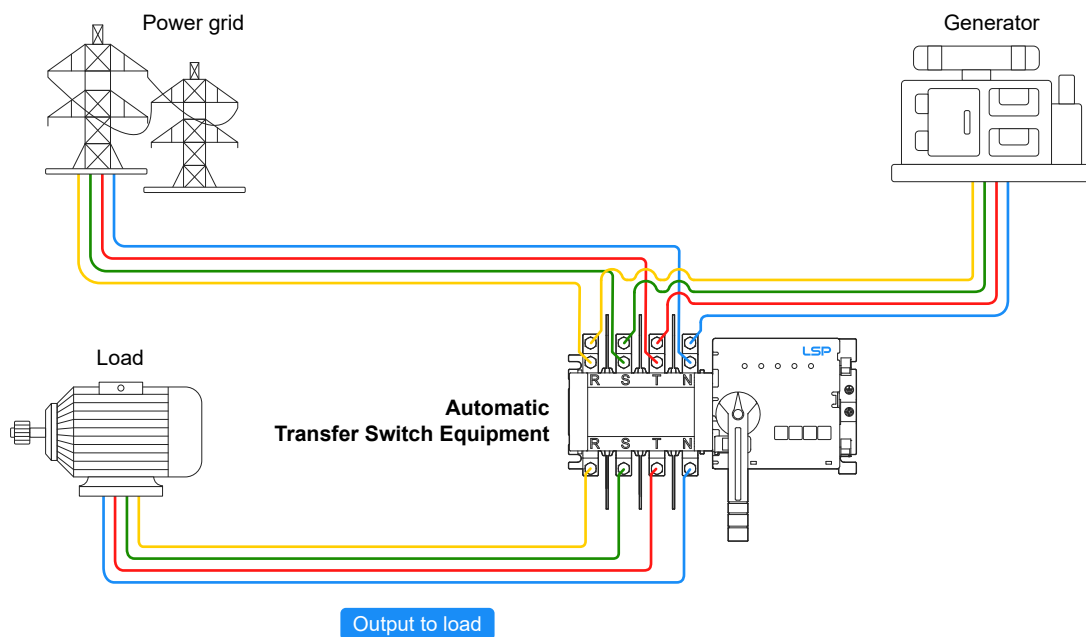
Dimensions & Packaging



Packing Information

Units per Carton	6 pcs
Product / Inner box / Carton Weight	4.16 kg / 0.28 kg
Net / Gross Weight per Carton	24.96 kg / 26.9 kg
Dimensions (H × W × L)	[395 × 300 × 530 mm]

Easy Installation Instructions



Automatic Transfer Switch Equipment G3M250-220/4(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 200 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

G3M250-220/4

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	690 V
Rated Impulse Withstand Voltage (Main Circuit)	U_{imp}	8 kV
Rated Insulation Voltage (Control Circuit)	U_i	500 V
Rated Impulse Withstand Voltage (Control Circuit)	U_{imp}	4 kV
Rated Short-Time Withstand Current	I_{cw}	10 kA / 60 ms
Rated Short-Circuit Making Capacity	I_{cm}	17 kA
Rated Frequency		50/60 Hz
Automatic Switching Time (A to B)		2.5 s
Load Disconnect Time		1 s
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, $I_e = 3$ A
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 165 V / Overvoltage Value: 270 V
Mechanical Life		8000 times
Electrical Life		1000 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
Degree of Protection		IP20

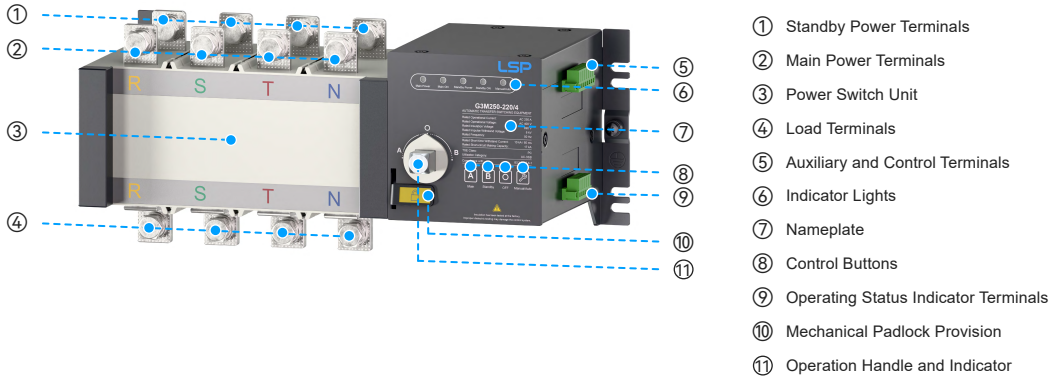
Order Information

Ordering Code	220
G3M250-220/4	2512450
G3M250-220/4F	2512451
G3M250-220/4T	2512452
G3M250-220/4FT	2512453

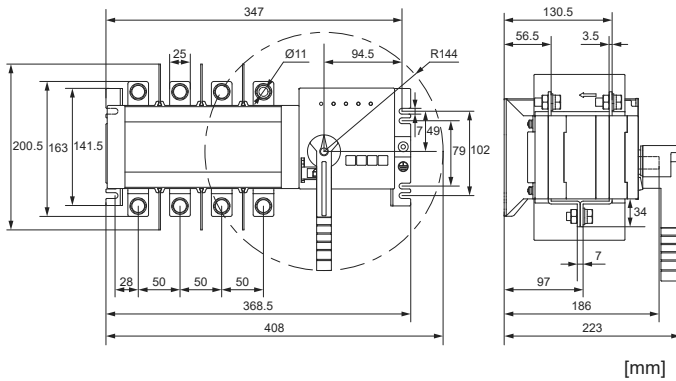


G3M250-220/4(F/T)

Product Overview



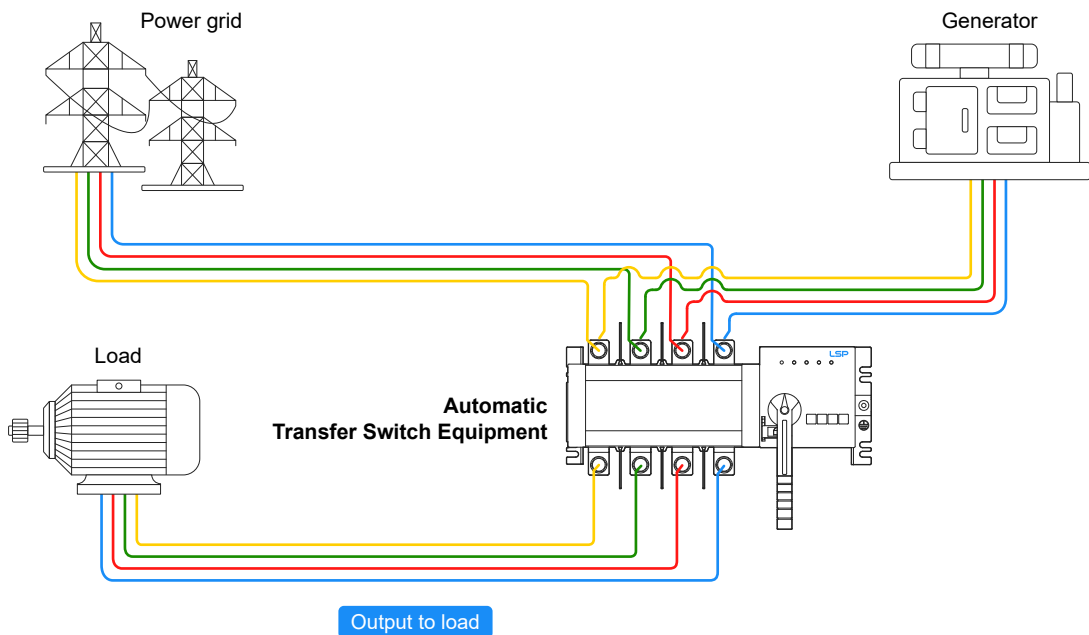
Dimensions & Packaging



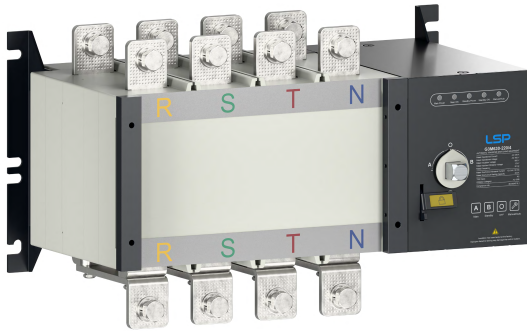
Packing Information

Units per Carton	2 pcs
Product / Inner box / Carton Weight	8.88 kg / 0.46 kg
Net / Gross Weight per Carton	17.76 kg / 19.06 kg
Dimensions (H × W × L)	[280 × 435 × 455 mm]

Easy Installation Instructions



Automatic Transfer Switch Equipment G3M630-220/4(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 315 A to 630 A
- Monitoring: Three-phase sampling
- Transfer Positions: Three-position (A-0-B)
- Firefighting Interlock Function
- Compliance with IEC 60947-6-1:2021

Technical Data

G3M630-220/4

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		630 A
Rated Operational Current	I_e	630 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	500 V
Rated Impulse Withstand Voltage (Control Circuit)	U_{imp}	4 kV
Rated Short-Time Withstand Current	I_{cw}	12.6 kA / 60 ms
Rated Short-Circuit Making Capacity	I_{cm}	26 kA
Rated Frequency		50/60 Hz
Automatic Switching Time (A to B)		3 s
Load Disconnect Time		1.5 s
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, $I_e = 3 A$
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 165 V / Overvoltage Value: 270 V
Mechanical Life		8000 times
Electrical Life		1000 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
Degree of Protection		IP20

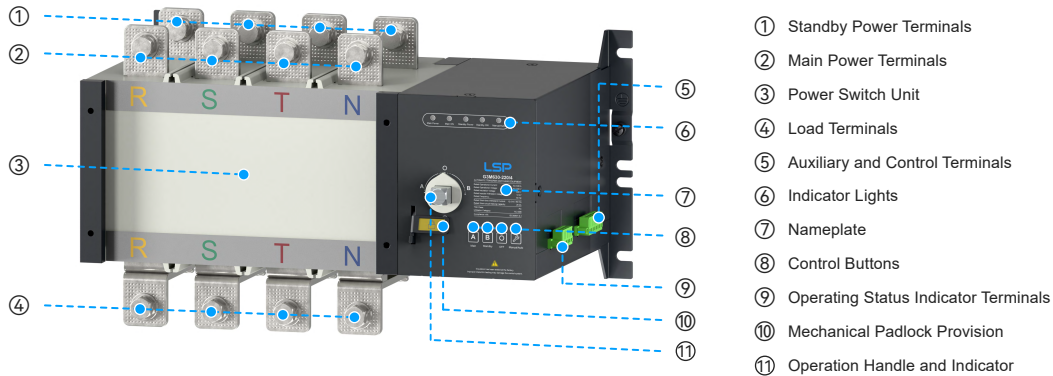
Order Information

Ordering Code	220
G3M630-220/4	6312450
G3M630-220/4F	6312451
G3M630-220/4T	6312452
G3M630-220/4FT	6312453

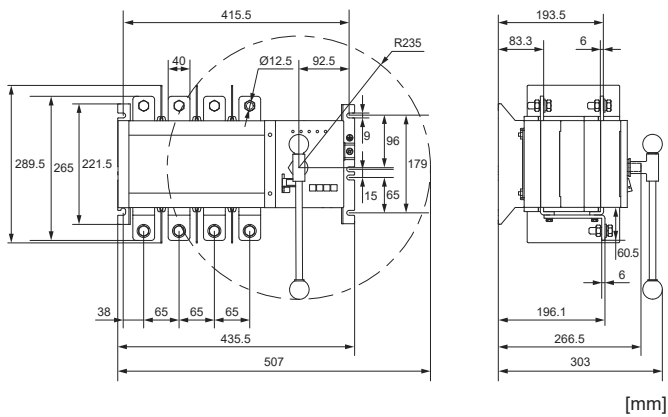


G3M630-220/4(F/T)

Product Overview



Dimensions & Packaging



Packing Information

Units per Carton	1 pcs
Product / Inner box / Carton Weight	20.78 kg / 0.66 kg
Net / Gross Weight per Carton	20.78 kg / 21.44 kg
Dimensions (H × W × L)	[320 × 300 × 490 mm]

Easy Installation Instructions

