

# 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)            | $U_i$     | 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                 | $I_{cw}$  | 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)<br>Automatic generator start/stop supported<br>T (Communication)<br>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 |

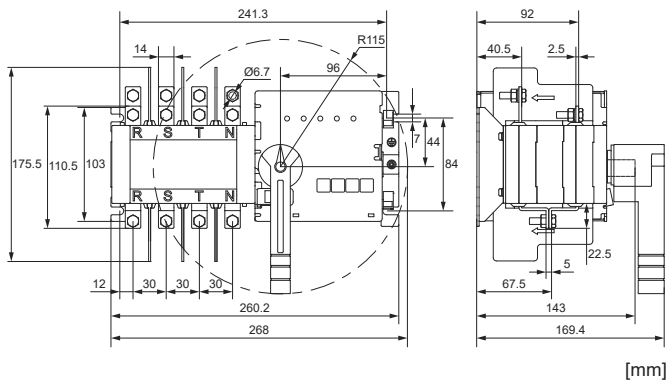


## G3M100-220/4(F/T)

## Wiring Instructions



## 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)              | [300 × 395 × 530 mm] |

## Easy Installation Instructions

