

# Product datasheet

## Specifications

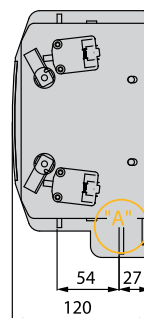
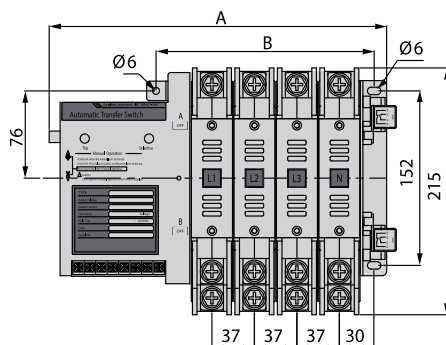
### Automatic Transfer Switches

### TN type 100A 3P 600V

HK-100TNF3



|                                               |                                   |             |
|-----------------------------------------------|-----------------------------------|-------------|
| Standard                                      | IEC 60947-6-1 / UL1008            |             |
| Model                                         | TN type                           |             |
| Rated operational current, $I_n$              | 100A                              |             |
| Number of poles                               | 3                                 |             |
| Rated frequency                               | 50/60Hz                           |             |
| Rated Operational Voltage, $U_e$              | AC600V, DC125V                    |             |
| Rated Insulation Voltage, $U_i$               | 690V                              |             |
| Impulse Withstand Voltage, $U_{imp}$          | 8kV                               |             |
| Switch capacity                               | Class                             | AC3, DC1    |
| Switching frequency                           | 150 times/h                       |             |
| Switching sequence                            | A ↔ B, A ↔ OFF ↔ B                |             |
| Operating Time                                | Break(Opening)                    | ≤ 30ms      |
|                                               | Make Closing                      | ≤ 60ms      |
|                                               | Make delay(Off)                   | ≤ 30ms      |
| Rated short-time withstand current, $I_{cw}$  | 5kA                               |             |
| Rated short-circuit making capacity, $I_{cm}$ | 5kA                               |             |
| Operating Voltage & Current                   | AC110/120V                        | 20A         |
|                                               | AC220/240V                        | 10A         |
| Control voltage                               | 85 ~ 110% Rated operating voltage |             |
| Withstand Voltage for Main circuit            | 2500V/60s                         |             |
| Withstand Voltage for Control circuit         | 1500V/60s                         |             |
| Life time                                     | Electric                          | 5000 times  |
|                                               | Mechanic                          | 10000 times |
| Weight                                        | 6.5kg                             |             |
| Dimension (W x L x H)                         | 257x120x215mm                     |             |



| 100A<br>~ 250A | (mm) |     |     |
|----------------|------|-----|-----|
|                | 2P   | 3P  | 4P  |
| A              | 220  | 257 | 294 |
| B              | 116  | 153 | 190 |

