

# Product datasheet

## Specifications

### Automatic Transfer Switches

### NY type 100A 4P 500V with controller

BA100NY4M



|                                          |                                   |              |
|------------------------------------------|-----------------------------------|--------------|
| Standard                                 | IEC/EN 60947-6-1 / IEC 60664-1    |              |
| Model                                    | BA100NY                           |              |
| Rated operational current, In            | 100A                              |              |
| Number of poles                          | 4                                 |              |
| Rated frequency                          | 50/60Hz                           |              |
| Rated Operational Voltage, Ue            | AC500V, DC125V                    |              |
| Rated Insulation Voltage, Ui             | 690V                              |              |
| Impulse Withstand Voltage, Uimp          | 8kV                               |              |
| Utilization Category                     | AC-33iB                           |              |
| Switching frequency                      | 60 times/h                        |              |
| Switching sequence                       | A ↔ B (ON-ON)                     |              |
| Operating Time                           | Change-over Time                  | ≤ 140ms      |
|                                          | Opening Time                      | ≤ 55ms       |
|                                          | Contact Transfer Time             | ≤ 85ms       |
| Rated short-time withstand current, Icw  | 10kA                              |              |
| Rated short-circuit making capacity, Icm | 17kA                              |              |
| Operating Voltage & Current              | DC 110/125V                       | 12A          |
|                                          | AC 100/115V                       | 12A          |
|                                          | AC 200/240V                       | 6A           |
| Control voltage                          | 85 ~ 110% Rated operating voltage |              |
| Withstand Voltage for Main circuit       | 2500V/60s                         |              |
| Withstand Voltage for Control circuit    | 1500V/60s                         |              |
| Life time                                | Electric                          | 35000 times  |
|                                          | Mechanic                          | 180000 times |
| Weight                                   | 7.6kg                             |              |
| Dimension (W x L x H)                    | 273.5x215x195mm                   |              |

