

Static Switch

Hornbill 4000

63 to 600 A



Special Features

- 32 bit DSP based design
- Automatic instantaneous transfer and retransfer without cross connection of sources
- Enhanced monitoring and diagnostics
- RS 232 or RS 485 interface with MODBUS protocol
- 128 x 64 Graphics display
- Metering : Current, Voltage and Frequency
- Redundant power supply
- Redundant fans for cooling
- Inrush current limiting (optional)
- Complies with IEEE 446



Quality Power Protection

For the critical power requirements in Industrial, IT, Commercial, Communication and Office environment



Static Switch - 63 TO 300A

Four Pole, Three Phase

| MODEL | | Hornbill 4000 | | | | | |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-------|----------|-------------------|-------|-------|
| SPECIFICATIONS | Input / Output | | | | | | |
| | Nominal Voltage | 220 / 380 / 400 / 415 V AC (3 Ph + N) | | | | | |
| | Voltage Tolerances | +/- 15% | | | | | |
| | Frequency Tolerances | 50-60 Hz (Auto Selectable) | | | | | |
| | Power Capacity | 63 A / 100 A | 200 A | 300 A | 400 A | 500 A | 600 A |
| | No. of Switching Poles | FOUR | | | | | |
| | Overload Capacity | 110 % for 1 hour, 150% for 1 min., 200% for 10 sec, 1000% for 100 ms | | | | | |
| | Duty | Continuous | | | | | |
| | Load Power Factor range | 0.2 to unity leading or lagging | | | | | |
| | Source Voltage Distortion | < 10% THD | | | | | |
| | Switch | | | | | | |
| | Transfer | < 5 ms | | | | | |
| | Retransfer | < 5 ms | | | | | |
| | Manual Bypass | Provided | | | | | |
| Efficiency (Ref. IEC 60146-1-1)* | ≥98% (at full load & nominal input voltage) | | | | | | |
| Environmental | | | | | | | |
| Acoustic Noise @1 m (Ref. ISO 3746) | ≤ 55 dBA | | | ≤ 58 dBA | | | |
| Operating Temperature | 0 to 40°C | | | | | | |
| Storage Temperature | 0 to 70°C | | | | | | |
| Relative Humidity | Up to 95% (non Condensing) | | | | | | |
| Altitude | <1000 meters above sea level (without de-rating) altitude | | | | | | |
| Physical | | | | | | | |
| Enclosure Protection | IP - 20 | | | | | | |
| Cooling | Forced Air | | | | | | |
| Color | RAL7016 | | | | | | |
| Cable Entry | Bottom | | | | | | |
| Dimensions (mm) W x D x H | 800 x 500 x 1500 | 1000 x 700 x 1750 | | | 1000 x 600 x 1750 | | |
| Installation | Free Standing, floor mounted | | | | | | |
| User Interface | | | | | | | |
| Indications | Source 1 Healthy, Source 1 Priority, Source 1 Feeding, Source 1 Manual bypass ON, Output ON Source 2 Healthy, Source 2 Priority, Source 2 Feeding, Source 2 Manual bypass ON, No sync | | | | | | |
| Fault Indication | Overload | | | | | | |
| Display | 128 x 64 Graphics Display | | | | | | |
| Metering | Source 1 & Source 2 - Voltage, Current, Frequency, Output Voltage, Output Current | | | | | | |
| Standards | IEC 62310-1, IEEE 446 | | | | | | |
| Communication | | | | | | | |
| Interface & Protocol | RS 232 | | | | | | |
| Available Options | RS 485 MODBUS, Ethernet Connectivity | | | | | | |

The information contained in this publication is subject to change without prior notice

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