

Static Transfer Switch

Hornbill 4000

63 A - 600 A
Three Phase



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 Graphicsc Display
- Metering : Current, Voltage and Frequency
- Redundant Power Supply
- Redundant Fans for Cooling
- Inrush Current Limiting (Optional)
- Complies with IEEE 446

Technical Specification
Hornbill 4000

Static Switch - 63 A to 600 A

Three Phase

General	Hornbill 4000					
Input / Output						
Nominal Voltage	220 / 380 / 400 / 415 V AC (3 Ph + N)					
Voltage Tolerances	± 15%					
Frequency Tolerances	50 -60 Hz (Auto selection)					
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 @ 1m (Ref. ISO 3746)	≥ 55 dBA			≥ 55 dBA		
Operating Temperature	0 to 40°C					
Storage Temperature	0 to 40°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					
Colour	RAL 7016					
Cable Entry	Bottom					
Dimensions (mm) W x D x H	800 x 500 x 1500	1000 x 700 x 1750		1000 x 700 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, Output 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					

* At full load & nominal input voltage

All Specifications are subject to change

Custom models available on request

FCN/HORNBILL 4000/03/2020

Fuji Electric Consul Neowatt Pvt. Ltd.

(CIN:U31900TN1985PTCO11866)

 119, 120, 120A, Electrical and Electronics Industrial Estate,
 Perungudi, Chennai - 600 096, Tamil Nadu, India

☎ +91 78100 09955

✉ enquiry@consulneowatt.com

🌐 www.india.fujielectric.com