

Static Switch

## Hornbill Static Switch - 16/32/63A



### Special Features

- 32 bit DSP controlled design
- Automatic instantaneous transfer and retransfer without cross connection of sources
- Hardware Interlocking & software to avoid make- before switching
- Enhanced monitoring and diagnostics
- RS 232 or RS 485 interface with MODBUS protocol
- Redundant power supply
- 19" Rack mountable
- Complies with IEEE 446
- Natural air cooled for highest reliability



Switch to reliability and continuity

Quality Power Protection

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

State-of-the-art R&D and Manufacturing facility

Service centres across India



## Static Switch - 16/32/63A

Single Phase

MODEL	Hornbill 1000	Hornbill 2000	
SPECIFICATIONS	<b>Input / Output</b>		
	Nominal Voltage	110 / 115 / 230 / 240 V AC (1 Ph + N)	
	Voltage Tolerances	+/- 15%	
	Frequency Tolerances	wide band 40-70 Hz Auto Selectable	
	Power Capacity	16A / 32 A / 63 A	
	No. of Switching Poles	SINGLE	TWO
	Overload Capacity	110 % for 1 hour, 150% for 60 s, 200% for 10 s, 1000% for 100 ms	
	Duty	Continuous	
	Load Power Factor range	0.2 to unity leading or lagging	
	Source Voltage Distortion	< 10% THD	
	Controller	32 bit DSP	
	<b>Switch</b>		
	Transfer	< 5 ms in sync & No Sync	
	Retransfer	< 5 ms in sync & No sync	
	Manual Bypass	Provided	
Efficiency (Ref. IEC 60146-1-1)*	≥99%	≥98%	
<b>Environmental</b>			
Operating Temperature	0 to 40°C		
Storage Temperature	0 to 70°C		
Relative Humidity	Up to 95% (non Condensing)		
Acoustic Noise @1 m (Ref. ISO 3746)	≤ 45 dBA		
Altitude	< 1000 meters above sea level (without de-rating) altitude		
<b>Physical</b>			
Enclosure Protection	IP - 20		
Cooling	Natural		
Color	RAL 7016		
Cable Entry	Back		
Dimensions	3 U (485 x 450 x 132 mm)		
Installation	19" Rack mountable		
<b>User Interface</b>			
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		
<b>Standards</b>	IEC 62310-1, IEEE 446		
<b>Other Features</b>	RS 485 MODBUS, Ethernet connectivity (optional)		

\* At full load & nominal input voltage

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

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