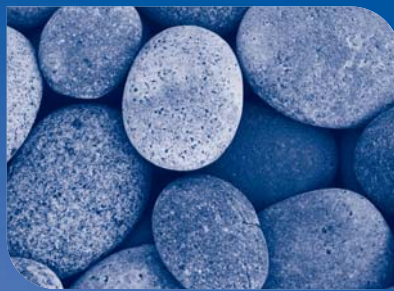


CHLORIDE

Secure Power Always

CROSS Rack 16 A, 32 A and 63 A



CROSS Rack 16 A, 32 A and 63 A

Chloride's CROSS Rack family of system static switches are available in single-phase double-pole 16A, 32A and 63A versions. CROSS ensures maximum reliability to critical loads by eliminating system failures caused by problems in distribution rather than by the failure of the power source itself. Double-pole operations ensure optimal flexibility for all the different types of electrical distributions.

Flexibility for Customized Solutions

CROSS Rack has been designed to allow the hot swapping of all the solid-state components (power and control), dramatically reducing repair times while keeping the load powered. CROSS Rack's flexibility allows complete compatibility with customers' load and environment requirements. Standard features include priority mode operation allowing users to select the preferred power source.

CROSS Rack features a fully redundant forced ventilation system with fan failure alarm, allowing mission-critical reliability whilst taking up a minimum amount of rack space (2 HU). Front-to-back ventilation ensures perfect compatibility with state-of-the-art cooling systems for Data Centres.

Leading Technology

A crucial function of CROSS is the Break Before Make transfer. This ensures that the two live feeds are never connected in parallel. The CROSS static switch also ensures that switching between the two power supplies occurs safely under both synchronous and asynchronous conditions relative to input waveforms.

Reliability

Employing a Chloride CROSS static switch adds another layer of security for mission critical loads.

Ensure a redundant power supply by enabling controlled switching between two independent AC power supply sources. Switching is performed whenever the line

that supplies power to the load goes out of tolerance. The distribution downstream from a CROSS is not only protected against the failure of the sources, but also against any failure in upstream lines.

Communication

Voltage free contact ports are available in standard assembly versions and facilitate communication with installed power protection equipment. LED displays offer complete and easy interaction with CROSS Rack and provide detailed reports on the operational status of your equipment.

Applications

CROSS provides additional security for a wide range of mission critical applications including:

- Data centres /ISPs
- Call Centres
- Manufacturing Process Control
- Transportation Signalling Systems
- Health Care.

Secure Power Always

Simply supplying equipment will never deliver the level of business continuity our customers require. Chloride offers a range of maintenance plans which will:

- Help deliver reliability to the load
- Extend the life of your power protection equipment
- Optimize your capital expenditure
- Provide risk management at a fixed cost
- Help to control your business environment
- Provide a proactive approach to disaster recovery.

Contact your local Chloride sales office for more information.

Delegate your power management to the experts.

CROSS Rack (A)	16	32	63
TECHNICAL DATA			
Number of switching poles	2		
Nominal Voltage (V)	230 (220/240 selectable)		
Input phases	1 + N		
Nominal frequency (Hz)	50		
Efficiency at Pn (%)	>98		
Overload capacity			
for 10 minutes (%)	125		
for 1 minute (%)	150		
for 0,6 seconds (%)	700		
Fuses	660 Vac, 100 A fast		
Temperature range (°C)	0 - 40		
Cooling	Forced, fully redundant, front to back		
Transfer Mode	Break Before Making Switching (No source overlap)		
Transfer Time			
source failure, worst case (msec)	≤6		
source failure, typical (msec)	≤4		
Additional transfer delay for non-synchronous transitions (msec)	10 ± 2 (0 - 20 selectable)		
DIMENSIONS AND WEIGHT			
Width (") 19"			
Depth (mm)	700		
Height (mm)	2U		
Weight (kg)	23		
ENVIRONMENT			
Safety	CE marking, IEC/EN 62310-1		
EMC Compatibility	IEC/EN 62040-2, Class C2		
Protection degree	IP21		
Acoustic Noise (dBA)	<45		
MTBF	>800kh		
MTTR	<1 min		

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QOOST certification

PRODUCT SERVICE

Certificate No. EMS 76732

Certificate No. FM 11043