

SAA09UP05-001

R050224N  
ATTACHMENT -  
PAGE 11 OF 13B/L: 353.06  
SYS: UNINTERRUPTIBLE POWER  
SUPPLY  
SYSTEM AT  
THE OFF HB-3  
AUG 28 1991

Critical Item: Circuit Breaker (1 Item Total)  
Find Number: None  
Criticality Category: 1S

SAA No:	09UP05-001	System/Area:	UPS/OPF HB-3
NASA		PMN/	-/
Part No:	None	Name:	Circuit Breaker
Mfg/	General Electric/	Drawing/	
Part No:	THQD32225	Sheet No:	80K53569

Function: Provides overcurrent protection to the Uninterruptible Power Supply Subsystem.

Critical Failure Mode/Failure Mode No: Premature Trip/09UP05-001.002

Failure Cause: Electro-Mechanical Failure

Failure Effect: Inability to provide uninterrupted power to critical loads during the existence of a hazardous condition could cause loss of life. Time to effect is immediate.

#### ACCEPTANCE RATIONALE

##### Design:

- Thermal-Magnetic, Molded Case Construction
- 225 Amp continuous rating at 25° C (22,000 Amp Instantaneous Current Rating), 178 Amp Estimated Peak load
- Meets UL Standard 489 and NEMA Standard AB-1
- Meets Design Requirements of Federal Specification WC375b

Test: The OMRSD File VI requires time/current trip test and insulation resistance test prior to installation and after a fault (Ref. GP1002, Maintenance and Test Criteria For Circuit Breakers).

Inspection: OMRSD File VI requires annual inspection and maintenance per GP1002. Operations will verify status of breaker prior to use.

SAAD9UP05-001

S050224N  
ATTACHMENT -  
PAGE 12 OF 13

AUG 28 1991

**Failure History:**

- The PRACA database was researched and no failure data was found on this component in the critical failure mode.
- The GIDEP failure data interchange system database was researched and no failure data was found on this component in the critical failure mode.

**Operational Use:**

- Correcting Action:  
There is no action which can be taken to mitigate the failure effect.
- Timeframe:  
Since no correcting action is available, timeframe does not apply.