

GE's DC Disconnect Switch Replacement Kit Provides Complete Lifecycle Solution

GE manufactured its AC2000 and Innovation families of DC-fed, low-voltage AC inverters until the year 2000. Until recently, GE supported these products with a complete line of replacement DC disconnect switches that were sourced through the original vendor. Unfortunately, the manufacturer discontinued production of these switches, leaving AC2000 and Innovation drives owners without an available solution. In response to the many customers expressing an interest in sustaining operations of these steadfast drives, GE developed a replacement kit that enables customers to safely and quickly replace the original disconnect switches on their AC2000 and Innovation drives.

While the new DC disconnect switch offered by GE is electrically equivalent, the part is not a direct mechanical replacement. Consequently, GE replacement kits include all the necessary mounting brackets, hardware, and instructions required to execute a complete retrofit. Compared to the alternative of a complete drive system replacement, the GE solution is simple to execute, requires no additional downtime for installation, and is often the lowest cost solution.

Product/Service Overview: Innovation and AC2000 LV AC Drive DC Disconnect

GE's customer solution includes both the products and services necessary to facilitate a complete DC disconnect switch replacement for two of our legacy drives families, AC2000 and Innovation low-voltage AC drive systems.

Replacements are available for the following electrical ratings:

- **AC2000:** Ratings 150, 300, 600, 1200 and 2,200 amp
- **Innovation:** Ratings 400, 600, 800, 1200 and 2,200 amp

Each replacement kit includes the following components:

- Replacement switch
- DC Bus adapters
- Replacement brackets
- Hardware and instructions

As an option, GE offers field engineering services to provide technical direction during the installation and final commissioning of the new switch. Additionally, all work can be billed either on a time and materials basis or by way of a firm price quote, whichever best satisfies the customer's unique requirements.

Customer Benefits

- **Low cost replacement kit** – GE offers a low cost alternative for addressing failed DC disconnect switches on the legacy AC2000 and Innovation drive systems.
- **Reliability** – The replacement switch is designed for 8,000 operations.
- **Ease of installation** – Installation can be conducted during planned maintenance outages. The kit is designed so that the entire retrofit process, from de-energization of the drive to placing the drive system back into operation, should require no more than eight hours for switch ratings of less than 2200A and no more than twelve hours for switch ratings of 2200A.
- **Safety** – The replacement switch includes an improved lock-out/tag-out mechanism.
- **Installation available** – Upon request, qualified field engineers from GE can install the replacement switch and associated parts.



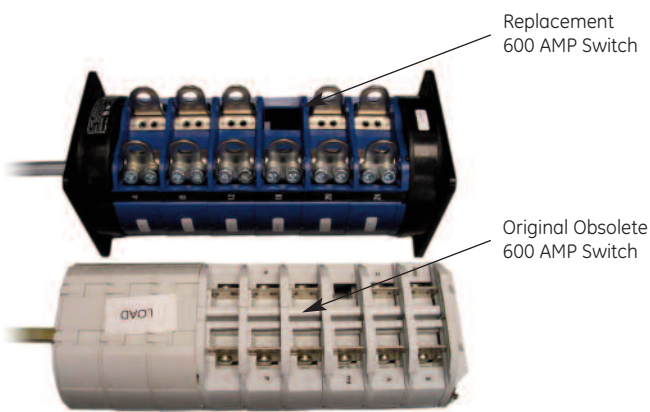
Part Numbers and List Prices

Innovation Low Voltage AC Drive

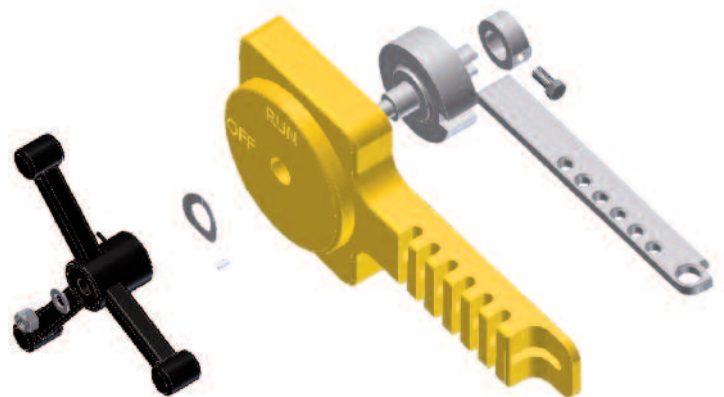
Frame	Switch Rating	Kit Part Number
250	400	272B4039PK400I
375	600	272B4039PK600I
620	800	272B4039PK800I
1000	1,200	272B4039PK1200I
1800	2,200	272B4039PK2200I

AC2000 Low Voltage AC Drive

Frame	Switch Rating	Kit Part Number
AP	150	272B4039PK150A
AQ	300	272B4039PK300A
AT	600	272B4039PK600A
AS	1,200	272B4039PK1200A
AW	2,200	272B4039PK2200A



Comparison of 600A Innovation switch replacement (top) vs. obsolete switch (bottom). Please note that the installation kit and hardware are not pictured.



Improved AC2000 LOTO Mechanism - 2200 AMP



For more information, contact your local GE Energy office, call 1-888-GE4-SERV or 540-378-3280, or visit www.geindustrial.com/services