

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

ABB SYMPHONY PLUS

SPHSS03

HYDRAULIC SERVO MODULE

Used with the applicable Symphony Plus turbine control configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: ABB manufacturer documentation

Symphony Plus

S+ Turbine SPHSS13 New Module



- Direct replacement for IMHSS03, IMHSS04, IMHSS05, SPHSS03, SPHSS04, and SPHSS05 modules
- Supports AC and DC LVDT's
 - Note: DC LVDT's in non-redundant arrangements for release Rev A
- Supports PI and P-Only control
- Current-drive output circuits
- Increased servo output capability up to 300 mA
- New high reliability design
 - Latest available analog & digital component technology
 - Processor, Expander Bus ASIC, dual-port RAM, EPROM, SRAM, FPGA, PAL, ADC, DACs and Sine wave generator IC
 - Single circuit board architecture (no daughter boards)
 - Active current limiting servo outputs
 - Self resettable fuses on all I/O lines
 - No socketed chips
 - Surface mount design