The DT05-CS Memory Bus Switch is a solid-state switching device that allows either of two PDP-10 memory buses or MX10 Multiplexer buses to communicate with a direct-memory-access (DMA) device connected to a third (shared) memory or multiplexer bus. Switching of the DT05-CS is controlled by either local or remote contact closures.

The remote mode is the normal operation in which the switching of the DT05-CS is controlled from a remote switch panel or from a programmable controller such as the DT03-CC. For local mode, two switches are provided to select one of two memory or multiplexer buses. The DT05-CS is composed basically of two sets of transistor gates; one set is associated with each multiplexer.
SPECIFICATIONS

Mechanical:

Cabinet
Logic Panels
Dimensions
Weight

Mounts in a DF 10 Data Channel Cabinet
Two, Type H911
10-1/2 in. h, 19 in. w, 6-3/4 in. d
50 lb

Electrical:

Power Supply and Control
Power Dissipation
Logic Potentials
Module Series

Controlled and Provided by DF 10
215W (180W at low duty factor)
+10V, -15V
B- and W-Series

Operational:

Switched Positions
Normal Combinations
Transfer Type
Control
No. of Signals Switched

Memory Bus A On/Off
Memory Bus B On/Off
(1) Memory Bus A On, Memory Bus B Off
(2) Memory Bus A Off, Memory Bus B Off
(3) Memory Bus A Off, Memory Bus B On
Bidirectional bus transfers allowed when switch combination (1) or (3) above is selected
Local or Remote Contact Closures
Seventy-Four