

Photo & Press Release Summary

Release # 22-005

Date September 11, 1972

Subject NEW LOW COST DATANETICS KEYBOARD SWITCH

Released for: Datanetics Corp., Fountain Valley, Calif.

Distribution:

Aerospace Daily  
Astronautics & Aeronautics  
Aviation Daily  
Aviation Week & Space Technology  
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# NEWS RELEASE

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RELEASE: IMMEDIATE

CONTACT:

FOR: Datanetics Corporation

NEW LOW COST DATANETICS KEYBOARD SWITCH  
FEATURES HYSTERESIS, SEALED SWITCH ELEMENT  
AND CONVENTIONAL TYPING CHARACTERISTICS  
FOR COMPUTER TERMINALS AND DESK TOP CALCULATORS

Fountain Valley, Calif. - September 14, 1972 - Built-in hysteresis to eliminate "teasing", environmentally sealed elastic diaphragm switch element and negligible bounce are prime features of a low-profile, low-cost keyboard switch announced by Datanetics Corporation. Designated the Series DC-50 "Key Switch"\*, the unit has the conventional typing stroke, force characteristics and other operating features usually found only in magnetic actuated switches; optional tactile response is offered to meet human factors requirements. The switch will interface with MOS/LSI and standard DTL/TTL circuitry in computer peripheral terminals and desk top calculator applications.

The DC-50 Key Switch has a 1 Form A (N. O. ) contact arrangement, with a rating of 0.3 to 30 mw. It features a switching voltage range of 500 mv to 30 v., at 0.3 to 10 ma. (resistive). Capacitance is typically less than 5 pf, at 1 KHz. Life is stated in excess of 50,000,000 operations, at rated load; operating temperature range is +32°F to +140°F. Height is 1.150" (1.250", with key cap), and minimum 0.625" center-to-center key spacing permits higher density installations. An alternate action version is also available.

The elastic diaphragm switch element is permanently sealed, using thermoset adhesives. The diaphragm materials (Kapton), as well as that for the key guide

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\*Patent Pending

housing, have been selected to withstand the severe temperature requirements of actual submersion during flow soldering processes. Contacts and terminals are copper with gold-over-nickel plating.

Manufacturer: Datanetics Corporation  
18065 Euclid Street  
Fountain Valley, Calif. 92708  
Tel: (714) 549-1191

Price: \$0.31 ea., in 1,000,000 pc. lot.

Availability: 4-6 wks, ARO

