Specialists in High-Voltage Switching and Protection

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File No. 7.1/37 Serial No. 40-CERT86-158

STATEMENT OF PERFORMANCE

TYPE OF PERFORMANCE

Time-Current Characteristics
Minimum Melting
Total Clearing

TYPE OF EQUIPMENT

S&C Positrol Fuse Links, Universal Style, "K" Speed, TCC 165, Ampere Ratings 6K, 10K, and 30K as manufactured by Fammi Fami, Buenos Aires, Argentina.

DISCUSSION

The fuse links under Type of Equipment are identical in all respects with similarly identified fuse links manufactured by S&C Electric Company, Chicago, Illinois. All S&C positrol fuse links have been tested in accordance with procedures described in ANSI C37.41-1981, "Design Tests for High-Voltage Fuses, Distribution Enclosed Single-Pole Air Switches, Fuse Disconnecting Switches and Accessories", and comply with requirements in ANSI C37.42-1981, "Specifications for Distribution Cutouts and Fuse Links".

In accordance with these Standards, all test points for minimum melting time-current characteristics have established minimum response curves and plustolerances on current. Interrupting tests, using representative fuse links in distribution cutouts, have established maximum arcing times which, when added to <u>maximum</u> melting time-current characteristics (minimum characteristics plus tolerance), determine total clearing time-current characteristics.

CONCLUSION

Time-current characteristics for S&C 6K, 10K and 30K Positrol Fuse Links, have been determined, and are in conformance with published TCC 165-6 minimum melting and TCC 165-6-2 total clearing characteristic curves. The fuse links listed under Type of Equipment, being identical in all respects with those tested, will have the same time-current characteristics as those tested.

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STATEMENT

The above stipulated conclusions are based upon engineering experience and judgment.

STATE OF ILLINOIS)

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COUNTY OF COOK

R. H. Harner, being sworn, states that: He is Vice President - R&D Division of S&C Electric Company and is authorized to execute this statement on its behalf; and said conclusions were determined in the manner above set forth and accurately represent S&C Electric Company's recommendations with respect to the capability of the specified apparatus.

Subscribed and sworn to before me this 24th day of Australia 1986.

S&C ELECTRIC COMPANY

Affixed hereon is my Cook County,

Illinois Notary Public Seal

R. H. Harner - V

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"OFFICIAL SEAL"
Vivian M. Moran, Notary Public
County of Cook, State of Hilinels
My Commission Expires 1/8/85