



S&C ELECTRIC COMPANY
 GENERAL OFFICES • CHICAGO

Specialists in High-Voltage Switching and Protection

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Reference Number: CERT-94
 Original Issue Date: September 13, 1996
 Revision Date: July 12, 2002

CERTIFIED TEST ABSTRACT

Temperature-Rise

TYPE OF EQUIPMENT

**S&C Fuse Cutout — Type XS — Outdoor Distribution — Extra-Heavy-Duty
 Overhead Pole-Top Style, Catalog No. 89071R11 and 89071R11-P**

Nominal Voltage.....	14.4	kV
Maximum Voltage.....	15	kV
BIL.....	110	kV
Amperes Maximum.....	200	A

APPLICABLE TEST SPECIFICATIONS

Test procedure in accordance with ANSI/IEEE C37.41-2000, *IEEE Standard Design Tests for High-Voltage Fuses, Distribution Enclosed Single-Pole Air Switches, Fuse Disconnecting Switches, and Accessories*, ANSI C37.42-1996, *Distribution Cutouts and Fuse Links — Specifications and IEC 60282-2-1997, High Voltage Fuses — Part 2: Expulsion Fuses*.

TEST RESULTS

S&C Test Reference Number: 9712

The device tested was Type XS Fuse Cutout, Catalog No. 89071R11. All of the devices listed under Type of Equipment utilize the same fuse tube and live parts, therefore, the temperature rise will be identical.

Refer to the following table, "Summary of Temperature-Rise Tests."

Summary of Temperature-Rise Tests

THERMOCOUPLE LOCATION	TEMPERATURE-RISE (°C)		
	MAXIMUM DURING TEST	MAX. PERMISSIBLE	
		IEEE	IEC
Upper parallel groove connector	18	40	65
Conducting strip at connector	17	40	65
Conducting strip at contact loop	18	40	65
Contact loop at center	20	40	65
Contact cup	23	40	65
Fuse tube cap contact	25	40	65
Fuse tube upper ferrule top	23	40	65
Fuse tube upper ferrule body	22	40	65
Right trunnion contact	27	40	65
Left trunnion contact	27	40	65
Right hinge - contact	25	40	65
Left hinge - contact	25	40	65
Right hinge at auxiliary contact spring	21	40	65
Left hinge at auxiliary contact spring	21	40	65
Right hinge at reduced section	20	40	65
Left hinge at reduced section	21	40	65
Conducting strip at hinge connector	20	40	65
Hinge parallel groove connector	19	40	65

Average ambient temperature: 24°C

STATE OF ILLINOIS)
)ss
COUNTY OF COOK)

Mark W. Stavnes, being sworn, states that: He is Manager — Fuse Product Engineering — Fuse Products Division of S&C Electric Company and is authorized to execute this certificate on its behalf; and said tests were conducted in the manner above set forth, and the results are accurately reported above.

Subscribed and sworn to before me
this 12 day of July 2002.

S&C ELECTRIC COMPANY

Margaret Lizak
Affixed hereon is my Cook County,
Illinois Notary Public Seal

by Mark W. Stavnes
Mark W. Stavnes
Manager — Fuse Product Engineering
Fuse Products Division

