



**S&C ELECTRIC COMPANY**  
 GENERAL OFFICES • CHICAGO

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**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

