

Three-electrode inert-gas cold-cathode relay tube for communication, triggering, counting, switching, and control circuits. Gas ionization provides abrupt heaterless conduction.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Indirect; cold cathode	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 RelayControlSwitch	
MAXIMUM CATHODE CURRENT	40 mA
Promoted fields mapped from printed maximum-rating and characteristic headings; additional published values preserved in parameter rows.	

Three-electrode inert-gas-filled cold-cathode relay tube for communication, triggering, counting, switching, and control circuits.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

2026 Western Electric 400s

Published test conditions and operating points. Values on this page are preserved as reported by this source.

2026 WESTERN ELECTRIC 400S

Section 1 · RelayControlSwitch

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Anode Voltage	165 volts	Peak Anode Voltage 165 volts
Average Cathode Current	4 milliamperes	Average Cathode Current . 4 40 milliamperes
Averaging Time	1 second	Averaging Time . 1 second
Ambient Temperature Limits	-55 centigrade	Ambient Temperature Limits . —55 to 85 centigrade
Starter Breakdown Voltage*	67 volts	Starter Breakdown Voltage* . 67 75 89 volts
Starter Voltage Drop at	10 amperes	Starter Voltage Drop at 10 m:ll:amperes 52 60 74 volts
Anode Voltage Drop at	10 milliamperes	Anode Voltage Drop at 10 milliamperes. 66 75 W volts
Required Transfer Current at	130 microamperes	Required Transfer Current at 130 Anode Vo!ts (D C) 50 . microamperes

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Inverse Anode Current	1 milliampere	Peak Inverse Anode Current 1 milliampere

TUBE TINKER

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