

# EDISWAN

DLS19

## DLS19

### VACUUM THERMAL DELAY SWITCH

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#### GENERAL

The DLS19 is a miniature-based Vacuum Thermal Delay Switch with an AC switch rating of 2 amps at 250 volts, or 100 mA at 500 volts. It has a heater rating of 0.5 amps at 6.3 volts, and switch closure delay times of from 35 to 70 seconds, the switch being open when cold. It is compensated to maintain a constant closure delay time in the ambient temperature range—40°C to +85°C.

#### RATING

Heater Voltage	(volts)	$V_h$	6.3
Heater Current	(amps)	$I_h$	0.5
Minimum Delay Time	(secs)	$t_{sd}(\min)$	35
Maximum Delay Time	(secs)	$t_{sd}(\max)$	70
Maximum Switch Current at 250 volts r.m.s. (AC)	(amps)	$I(\text{rms})\max$	2
Maximum Switch Current at 500 volts r.m.s. (AC)	(mA)	$I(\text{rms})\max$	100
Maximum Switch Current at 250 volts (DC)	(amps)	$I(\text{DC})\max$	1
Maximum Heater to Contact Voltage	(volts)	$V_{h-c}$	200

#### DIMENSIONS

Maximum Overall Length	(mm)	54
Maximum Seated Height	(mm)	48
Maximum Diameter	(mm)	19
Approximate Nett Weight	(ozs)	$\frac{1}{4}$
Approximate Packed Weight	(ozs)	$\frac{1}{2}$

#### MOUNTING POSITION—Unrestricted

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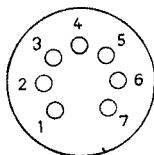
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### OPERATION

See "Application notes on Vacuum Thermal Delay Switches"

BASE—B7G



Viewed from free end of pins

VALVE HOLDER—Ediswan Clix VH337/701 and VH437/701  
series

### CONNECTIONS

Pin 1	Heater	h
Pin 2	No Connection	NC
Pin 3	Moving Contact	cm
Pin 4	Fixed Contact	cf
Pin 5	No Connection	NC
Pin 6	No Connection	NC
Pin 7	Heater	h