

Introductory Product Specification TWO TERMINAL C CASE CURRENT ACTUATED SWITCH

Model number

CAS-TTCL-8A-400V-1.75A-60Hz

Absolute stress above which the unit may be damaged.

	Min	Max	unit
Ambient temperature	-80	85	°C
Voltage across output "contacts"		400	V-peak
Instantaneous current in output "contacts"		40.0	A-peak
Shock (any axis)		2500	g

Range over which calibration is guaranteed.

	Min	Typ	Max	unit
Ambient temperature	-40		80	°C
Frequency	59	60	61	Hz
Total harmonic distortion of the current			3.0	percent
Vibration (1Hz-10kHz)			200	g

Operating parameters.

	Min	Typ	Max	unit
Output impedance (Note 1)			0.8	ohms
Isolation (Note 2)	4500			V-rms
Turn on switch current (25°C) (Note 3)		8.00		A-rms
Turn on versus temperature	7.75	8.00	8.25	A-rms
Thermal coefficient(Prop. magnitude of current).	.030	.055	0.08	% / °C
Turn on time constant	20	30	45	mS
Turn off time constant	35	50	70	mS
Continuous RMS or DC current thru closed output "contacts"			1.75	A-rms

Physical

	Min	Typ	Max	unit
Depth		.540		inch
Length		1.41		inch
Width		1.500		inch
Sensing hole diameter		.500		inch
Weight		40		grams
Flammability	Self extinguishing			

Note The output impedance of closed contacts is modeled as a bidirectional silicon diode (0.6volts) in series with the resistance shown and is independent of polarity.

Note Isolation may be better depending on the insulation of the user's current carrying conductor.

Note Single turn specified, multi turns increases sensitivity.

Note (Six turns will turn on at approx. 1.5 Amps)

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