

# Absolute Minimum and Maximum Ratings<sup>(1)(2)</sup>

voltages referenced to GND

		MIN	MAX	UNIT
V <sub>+</sub>	Supply voltage range <sup>(3)</sup>	-0.3	13	V
V <sub>NC</sub> V <sub>NO</sub> V <sub>COM</sub>	Analog voltage range <sup>(4)</sup>	-0.3	V <sub>+</sub> + 0.3 or ±20 mA	V
	Continuous current into any terminal		±20	mA
	Peak current, NO or COM (pulsed at 1 ms, 10% duty cycle)		±30	mA
	ESD per method 3015.7		>2000	V
Continuous power dissipation (T <sub>A</sub> = 70°C)	8-pin plastic DIP (derate 9.09 mW/°C above 70°C)		727	mW
	8-pin SOIC (derate 5.88 mW/°C above 70°C)		471	
	5-pin SOT-23 (derate 7.1 mW/°C above 70°C)		571	
T <sub>A</sub>	Operating temperature range	-40	85	°C
T <sub>stg</sub>	Storage temperature range	-65	150	°C
	Lead temperature (soldering, 10 s)		300	°C

- (1) Stresses beyond those listed under "absolute maximum ratings" may cause permanent damage to the device. These are stress ratings only, and functional operation of the device at these or any other conditions beyond those indicated under "recommended operating conditions" is not implied. Exposure to absolute-maximum-rated conditions for extended periods may affect device reliability.
- (2) The algebraic convention, whereby the most negative value is a minimum and the most positive value is a maximum
- (3) All voltages are with respect to ground, unless otherwise specified.
- (4) Voltages exceeding V<sub>+</sub> or GND on any signal terminal are clamped by internal diodes. Limit forward-diode current to maximum current rating.