

Figure 6. 3156 Series Low Level/Low Profile Hermetic Thermostats

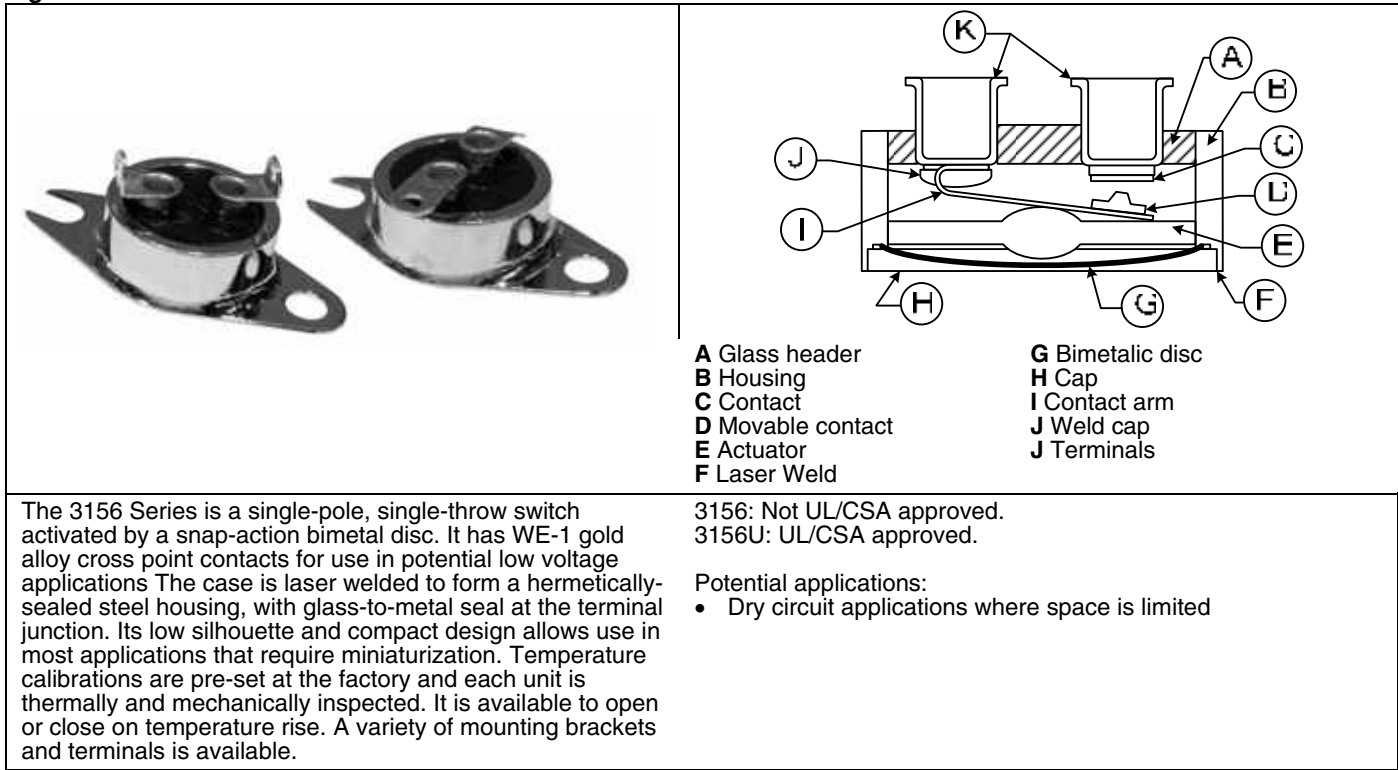


Table 14. 3156 Series Standard Temperature Characteristics

Operating Temperature Range	Tolerance		Standard Mean Differential °C [°F]	Optional Max. Differential °C [°F]
	Open °C [°F]	Close °C [°F]		
-28,89 °C to -12,2 °C [-20 °F to 10 °F]	±5,6 [±10]	±4,4 [±8]	16,7 to 22,2 [30 to 40]	-
	±4,4 [±8]	±4,4 [±8]	11,1 to 16,1 [20 to 29]	-
	±3,9 [±7]	±3,9 [±7]	7,8 to 10,6 [14 to 19]	-
-11,7 °C to 107,2 °C [11 °F to 225 °F]	±2,8 [±5]	±2,8 [±5]	11,1 to 44,4 [20 to 80]	-
	±2,8 [±5]	±2,8 [±5]	8,3 to 10,6 [15 to 19]	-
	±2,8 [±5]	±2,8 [±5]	5,6 to 7,8 [10 to 14]	-
	±2,2 [±4]	-	-	4,4 [8]
	-	±2,2 [±4]	-	4,4 [8]
	±1,7 [±3]	-	-	3,3 [6]
107,8 °C to 148,9 °C [226 °F to 300 °F]	±4,4 [±8]	±3,3 [±6]	13,9 to 44,4 [25 to 80]	-
	±3,9 [±7]	±3,3 [±6]	8,3 to 13,3 [15 to 24]	-
	3,3 [±6]	±3,3 [±6]	6,7 to 7,8 [12 to 14]	-
	±2,8 [±5]	-	-	6,7 [12]
	-	±2,8 [±5]	-	6,7 [12]
	±2,2 [±4]	-	-	4,4 [8]
149,4 °C to 176,7 °C [301 °F to 350 °F]	-	±2,2 [±4]	-	4,4 [8]
	±6,7 [±12]	±5,6 [±10]	19,5 to 27,8 [35 to 50]	-
	±5,6 [±10]	±5,6 [±10]	13,9 to 18,9 [25 to 34]	-
	±4,4 [±8]	±4,4 [±8]	8,3 to 13,3 [15 to 24]	-
	±3,9 [±7]	-	-	8,3 [15]
	-	±3,9 [±7]	-	8,3 [15]
	±2,8 [±5]	-	-	5,6 [10]
	-	±2,8 [±5]	-	5,6 [10]

Table 15. 3156 Series Specifications

Characteristic	Parameter
Switch type	SPST
Reset type	automatic
Amperage	500 mA
Voltage	50 Vdc
Operating temperature range	-28,89 °C to 177 °C [-20 °F to 350 °F]
Environmental exposure range	-54 °C to 260 °C [-65 °F to 500 °F]
Dielectric strength	3156: MIL-STD-202 Method 301 – 750 Vac, 60 Hz terminal to case 3156U: MIL-STD-202 Method 301 – 1250 Vac, 60 Hz terminal to case
Insulation resistance	MIL-STD-202 Method 302 Cond. B – 50 MOhm, 500 Vdc applied
Contact resistance	MIL-STD-202, Method 307 – 50 mOhm
Hermetic seal	MIL-STD-202, Method 112 Cond. 1×10^5 Atm cc/sec
Moisture resistance	MIL-STD-202, Method 106
Housing material:	
Base	cold rolled plated steel
Contacts	WE-1 gold alloy cross point
Terminals	nickel/iron alloy
Closure	hermetically sealed
Brackets	cold rolled plated steel
Plating	copper/nickel QQ-N-290
Marking	MIL-STD-1285
Approvals	UL File E36103, CSA File LR21048
Weight	5,0 g [0.17 oz] (brackets and wire leads not included)

Table 16. 3156 Series Contact Ratings

Life Cycles	50 Vdc	120 Vac
100,000	500 mA	100 mA