

Chapter 3. GENERAL SPECIFICATION

3.1 General specifications

The following shows the general specifications of the GLOFA-GM series.

No	Item	Specifications	References				
1	Operating ambient temperature	0 ~ 55 °C					
2	Storage ambient temperature	-25 ~ +75 °C					
3	Operating ambient humidity	5 ~ 95%RH, non-condensing.					
4	Storage ambient humidity	5 ~ 95%RH, non-condensing.					
5	Vibration	Occasional vibration				10 times per axis, on X,Y, Z axis	IEC 1131-2
		Frequency	Acceleration	Amplitude	Sweep count		
		10 ≤ f < 57 Hz	-	0.075 mm	-		
		57 ≤ f ≤ 150 Hz	9.8 m/s ² {1 G}	-	-		
		Continuous vibration					
		Frequency	Acceleration	Amplitude			
10 ≤ f < 57 Hz	-	0.035 mm					
57 ≤ f ≤ 150 Hz	4.9 m/s ² {0.5G}	-					
6	Shocks	Maximum shock acceleration: 147 m/s ² {15G} Duration time: 11 ms Pulse wave: half sine pulse (3 shocks per axis, on X,Y,Z axis)	IEC 1131-2				
7	Noise Immunity	Square wave Impulse Noise	± 1,500 V				
		Electronic discharge	Voltage : 4 kV			IEC 1131-2, IEC 801-3	
		Radiated electromagnetic field noise	27 ~ 500 MHz, 10 V/m			IEC 1131-2, IEC 801-3	
		Fast transient/burst noise	Item	Power supply	Digital I/O (>24V)	Digital I/O (<24V) Analog I/O interface	IEC 1131-2, IEC 801-4
Voltage	2 kV		1 kV	0.25 kV			
8	Operating ambience	Free of corrosive gases and excessive dust.	IEC 1131-2				
9	Altitude	2,000 m or less					
10	Pollution	2					
11	Cooling method	Air-cooling					

REMARK

- 1) IEC(International Electromechanical Commission) : An international civilian institute who establishes international standards in area of electric's and electronics.
- 2) Pollution : An indicator which indicates pollution degree which determine insulation performance of equipment. Pollution 2 means that non-conductive pollution usually occurs but temporal conduction occurs with condensing