

Chapter 3. General Specifications

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 ~ +70 °C					
3	Operating ambient Humidity	5 ~ 95%RH, non-condensing					
4	Storage ambient Humidity	5 ~ 95%RH, non-condensing					
5	Vibrations	Occasional vibration			-	10 times for each X, Y, Z axis	IEC 61131-2
		Frequency	Acceleration	Amplitude	Sweep count		
		10≤f<57Hz	-	0.075mm	-		
		57≤f≤150Hz	9.8m/s ² {1G}	-			
		Continuous vibration			-		
		Frequency	Acceleration	Amplitude			
10≤f<57Hz	-	0.035mm					
57≤f≤150Hz	4.9m/s ² {0.5G}	-					
6	Shocks	<ul style="list-style-type: none"> Maximum shock acceleration: 147 m/s² {15G} Duration time: 11ms Pulse wave: half sine pulse (3 shocks per axis, on X, Y, Z axis) 	IEC 61131-2				
7	Noise Immunity	Square wave Impulse noise	± 1,500 V			LGIS' Internal Standard	
		Electronic discharge	Voltage: 4 kV (Discharge by contact)			IEC 61131-2, IEC 801-2	
		Radiated electromagnetic field noise	27 ~ 500 MHz, 10 V/m			IEC 61131-2, IEC 801-3	
		Fast transient /burst noise	Item	Power supply	Digital I/O (>24V)	Digital I/O (<24V) Analog I/O Interface	IEC 61131-2 IEC 801-4
		Voltage	2kV	1kV	0.25kV		
8	Atmosphere	Free of corrosive gases and excessive dust	IEC61131-2				
9	Altitude	Up to 2,000m					
10	Pollution degree	2					
11	Cooling method	Air-cooling					

REMARK

- 1) IEC (International Electrotechnical Commission): An international civilian institute who establishes international standards in area of electrics and electronics.
- 2) Pollution degree: An indicator, which indicates pollution degree, which determine insulation performance of equipment.
Pollution degree 2 : Normally, only non-conductive pollution occurs. Occasionally, however, a temporary conductivity caused by condensation shall be expected.