



module-FX3U-32MT/DS

URL:<https://www.sxplc.com/module-fx3u-32mt-ds>

Product data sheet

General specifications		
Ambient temperature		
Ambient humidity		
Vibration resistance	Installed on DIN rail	Frequency: 10 to 57 Hz
		Frequency: 57 to 150 Hz
	Direct installing	Frequency: 10 to 57 Hz
		Frequency: 57 to 150 Hz
Shock resistance		
Noise resistance		
Dielectric withstand voltage		

Insulation resistance	
Grounding	
Working atmosphere	
Working altitude	
0 to 55°C (32 to 131°F) when operating and -25 to 75°C (-13 to 167°F) when stored	
5 to 95%RH (no condensation) when operating	
Half amplitude: 0.035mm Sweep Count for X, Y, Z: 10 times (80 min in each direction) The criterion is shown in IEC61131-2.	
Acceleration: 4.9 m/s ² Sweep Count for X, Y, Z: 10 times (80 min in each direction) The criterion is shown in IEC61131-2.	
Half amplitude: 0.075 mm Sweep Count for X, Y, Z: 10 times (80 min in each direction) The criterion is shown in IEC61131-2.	
Acceleration: 9.8 m/s ² Sweep Count for X, Y, Z: 10 times (80 min in each direction) The criterion is shown in IEC61131-2.	
147 m/s ² Acceleration, Action time: 11 ms, 3 times by half-sine pulse in each direction X, Y, and Z The criterion is shown in IEC61131-2.	
By noise simulator at noise voltage of 1,000 Vp-p, noise width of 1 μs, rise time of 1 ns and period of 30 to 100 Hz	

<p>Perform dielectric withstand voltage test at the following voltage between each terminals and the main unit ground terminal.</p> <p>Between power supply terminal (DC power supply) and ground terminal: 500 V AC for 1 min</p> <p>Between output terminal (transistor) and ground terminal: 500 V AC for 1 min</p>	
<p>Perform insulation resistance test at the following voltage between each terminals and the main unit ground terminal.</p> <p>Between power supply terminal (DC power supply) and ground terminal: 5 MΩ or higher by 500 V DC insulation resistance tester</p> <p>Between output terminal (transistor) and ground terminal: 5 MΩ or higher by 500 V DC insulation resistance tester</p>	
<p>Class D grounding (grounding resistance: 100 Ω or less)</p> <p>(Common grounding with a heavy electrical system is not allowed)</p> <p>Ground the PLC independently or jointly.</p>	
<p>Free from corrosive or flammable gas and excessive conductive dusts</p>	
<p>2000 m or less</p> <p>Do not use the PLC under pressure higher than the atmospheric pressure. Doing so may damage the PLC.</p>	

