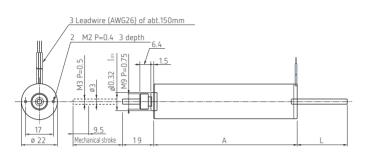






Standard dimensions



Model No.	Mechanical stroke	Housing length(A)	Shaft length(L)
LSM22-10-5	14mm	Abt. 54mm	10mm
LSM22-20-5	24mm	Abt. 74mm	20mm
LSM22-30-5	34mm	Abt. 90mm	30mm

Note: 1 pc.each of inner teeth washer and hex nut is attached. N.B. : When using in the application under continuous vibration and/or shock, please support the rear part of the unit with a fixing device.



LSM22-10-5 LSM22-20-5 LSM22-30-5

General Specifications

Model No.	LSM22-10-5	LSM22-20-5	LSM22-	
Current Consumption	Approx. 5mA			
Independent Linearity Tolerance	±0.5%FS			
Mechanical Stroke	Approx. 14mm	Approx. 24mm	Approx. 34mm	
Effective Electrical Stroke	Approx. 10mm	Approx. 20mm	Approx. 30mm	
Applied Voltage	5V±10% D.C.			
Load Resistance	10kΩ min.			
Output Voltage Range	Approx. 10% ~ Approx. 90% Vin			
Output Temperature Characteristic	Within ±2.5% Vout FS			
Drift at Center Position	Within ±0.5% Vout FS			
Operating Temperature Range	-40°C ~ + 105°C			
Storage Temperature Range	-40°C ~ + 105°C			
Mass	Approx. 30g	Approx. 40g	Approx. 60g	
Friction N (gf)	Within 0.1N (10gf)			



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Model LSM22-30-5



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Environmental Specifications

Model No.	LSM22-10-5	LSM22-20-5	LSM22-30-5
Thermal Shock	5 cycles under -50 °C ~+ 105°C		
Exposure at Low Temperature	24 hours at -50°C		
Exposure at High Temperature	sure at High Temperature 1,000 hours at +105°C		
Moisture Resistance	sistance 40°C 95%RH 120 hours		
Vibration	10 t	10 to 2,000Hz 196m/s ² 12 hours	
Shock	980m/s ² (18 times)		
Life Expectancy (Shaft reciprocating motions)	y (Shaft reciprocating motions) Approx. 50,000,000		
Protection Grade I P40			

Note: Life expectancy may differ from the specifications depending on status of use.

Special Specifications Available

Special applied voltage (Possible to meet with from 3VD.C. to 10V D.C.), Spring return device incorporated, Other special specifications are also possible and please consult us with your concrete requirements.

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The information provided herein is to the best of our knowledge true and accurate, it is provided for guidance only. All specifications are subject to change without prior notification. Althen – Your expert partner in Sensors & Controls | althensensors.com

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