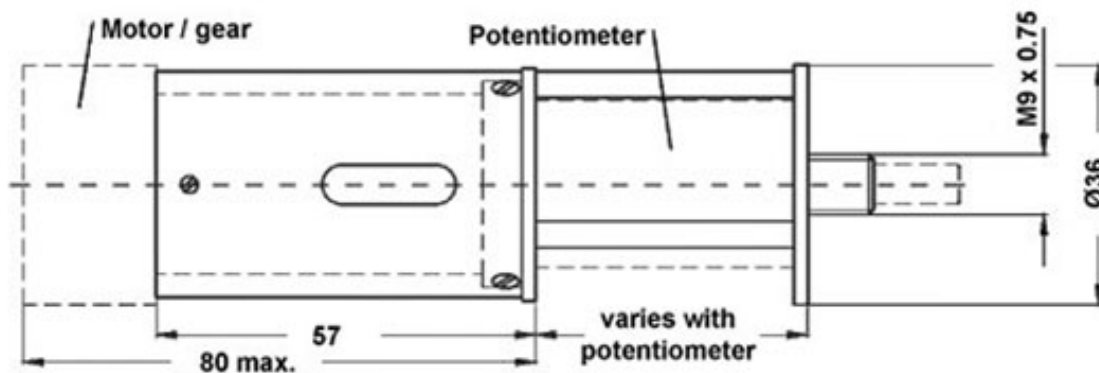


- \* **Single or Multi-Turn**
- \* **110/230 VAC Synchro Motor**
- \* **Wide RPM Range**
- \* **Protection Clutch**
- \* **Limit Switches (opt.)**



Precision synchronous AC motor for high position accuracy with slip free reduction gears in a wide range of gear ratios (rpms). Internal slipping clutch prevents over rotation damage to potentiometer and can allow for manual adjustment. High precision single and multi-turn potentiometers as well as turns counting dials are available for this series motor potentiometer (see below).

## Standard Dimensions (mm)



## Specifications

Gear Code	Motor Code	Time for 360° revolution in seconds		Backlash	Torque Continuous (Intermittent) mNm
		2018 (60Hz) 110/230 VAC	2018 (50Hz) 110/230 VAC		
2505		1.2	1.0	< 2.5°	2.5 (10)
2510		2.4	2.0		3 (10)
2520		4.8	4.0		5 (20)
2530		7.2	6.0		10 (40)
2575		18	15		15 (60)
25100		24	20		30 (100)
25200		48	40		
25300		72	60		
25500		120	100		
25750		180	150		
251000		240	200		
251500		360	300		
252000		480	400		
252500		1200	500		
253000		720	600		
253600		865	720		
254500		1080	900		

## Available Precision Potentiometers

Select potentiometer picture or model name for full specifications				
	<a href="#"><u>260</u></a>	<a href="#"><u>MCP30</u></a>	<a href="#"><u>AL2510</u></a>	<a href="#"><u>4610</u></a>
<b>Type</b>	single turn	single turn	multi turn	multi turn
<b>Element</b>	wire-wound	conductive plastic	wire-wound	wire-wound
<b>Cycle Life</b>	1 million	50 million	2 million	2 million
<b>Max. Torque</b>	5 mNm	2 mNm	8 mNm	12mNm
<b>Limit Switch</b>	-	-	optional	optional
<b>Body Length</b>	16mm	15mm	38mm	56mm
<b>Body Diameter</b>	27mm	27mm	25mm	84mm
<b>Resistance Values (ohms)</b>	10 ~ 20K	1K ~ 200K	20 ~ 200K	0.5 ~ 200K

## Part Numbering Code

**BSHS75 - 2018 - 25200 - AL2510R1K RA**

Motor-pot. model series	Motor voltage code	Gear ratio code	Potentiometer model and resistance value	Optional rear shaft extension
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**BSHS75-2018-25200-AL2510R1KRA:** Series **BSHS75**, 110/230VAC, 1.25 rpm, 10 turn precision potentiometer, 1k ohm with rear shaft extension.

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