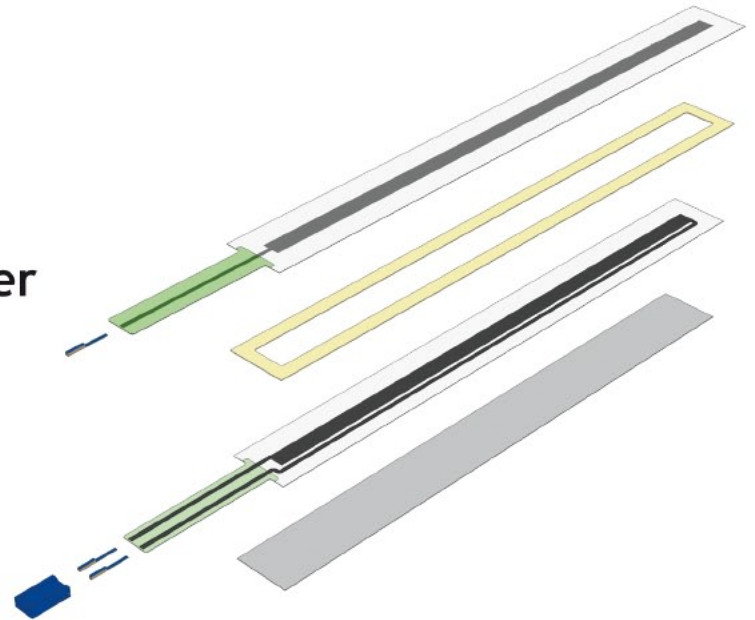


DATA SHEET

SENSOFOIL® Potentiometer

Features

- Ultra-thin potentiometer
- Operated by hand or wiper
- Easy adaption to customer-specific designs



Electrical Specifications

	Standard	Hybrid	Magnet	Options
■ Resistance	Standard, Hybrid + Magnet: 2,5kΩ per 100 mm length			> 2,5kΩ/100mm
■ Resistance Range	± 30 %	± 30 %	± 30 %	<30% on request
■ Independence linearity	± 2 %	± 2 %	± 2 %	<2,0 % on request
■ Repeat accuracy	determined by the wiper		≥10 μm ⁽²⁾	

Mechanical Specifications

	Standard	Hybrid	Magnet	Options
■ Life cycle mechanical activity ⁽²⁾	> 1 Million	> 3 Million	> 20 Million	
■ Height	ca. 0,5 mm	ca. 0,7 mm	ca. 1,0 mm	
■ Wiper force	(1,0 - 3,0) N	(3,0 - 6,0) N	(1,0 - 3,0) N	<1,0 N, depends on design
■ Adhesive foil	Duplo 360	Duplo 360	Duplo 360	Depending on surface and temperature

Environmental Specifications

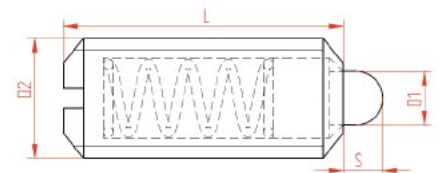
	Standard	Hybrid	Magnet	Options
■ Operating temperature	-40° C - +55° C	-25° C - +85° C	-25° C - +70° C	bis 115° C on request ⁽³⁾
■ IP rating ⁽¹⁾	IP 65	IP 65	IP 65	depends on design

Connectors

	Standard	Hybrid	Magnet	Options
■ Connector	3-pole jack connector Duflex (by Berg) (Jack 76785-301LF and housing 67013-003)			by demand

Wiper

■ Wiper POM / Delrin	Order identification	D2	L	S	D1	Wiper force
	64500000	M6x0,75	14mm	2mm	2,7mm	1-3N
	64500001	M6x0,75	14mm	2mm	2,7mm	2-6N



⁽¹⁾ Depending on design

⁽²⁾ The life cycle and accuracy are depending on the wiper design

⁽³⁾ Design and application have influence on the temperature range



TECHNICAL INNOVATION AT THE HIGHEST LEVEL

Hoffmann + Krippner is headquartered in Germany and has offices around the world including the United States. We have a work force of over 200 and develop and produce innovative input solutions for customers in the most diverse sectors, ranging from the electronics industry, medical technology, engineering and aviation to military technology.

We are pioneers in the membrane keyboard technology and are a market leader in complex input systems. Innovation and high quality have formed our basic philosophy since the company was established in 1972.

As a medium-sized and family-owned second-generation-company, we produce exclusively in Germany. Innovative product development and the extensive know-how of our employees allow us to develop and produce comprehensive input device systems, including housing, electronics and software for a wide range of clients.

Our strengths benefit our customers through a broad range of innovative top-level engineering. Our long-standing expertise as a leading manufacturer of customized input devices and keyboards in Europe results in high-quality solutions for our customers, world-wide.

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