

SFW 22 series

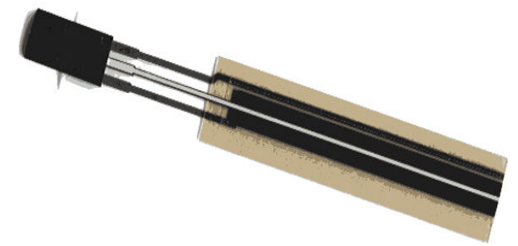
Linear motion potentiometers Conductive plastic

Highlights :

- High life expectancy
- Protection grade IP65
- Compact
- Self adhesive assembly
- Strokes : 50 to 500 mm

Applications :

- Absolute linear, relative interval measurements ...
- Sensor for robotics ...



- High precision
- Strokes from 50 to 500 mm
- Life expectancy : $5 \cdot 10^6$ cycles

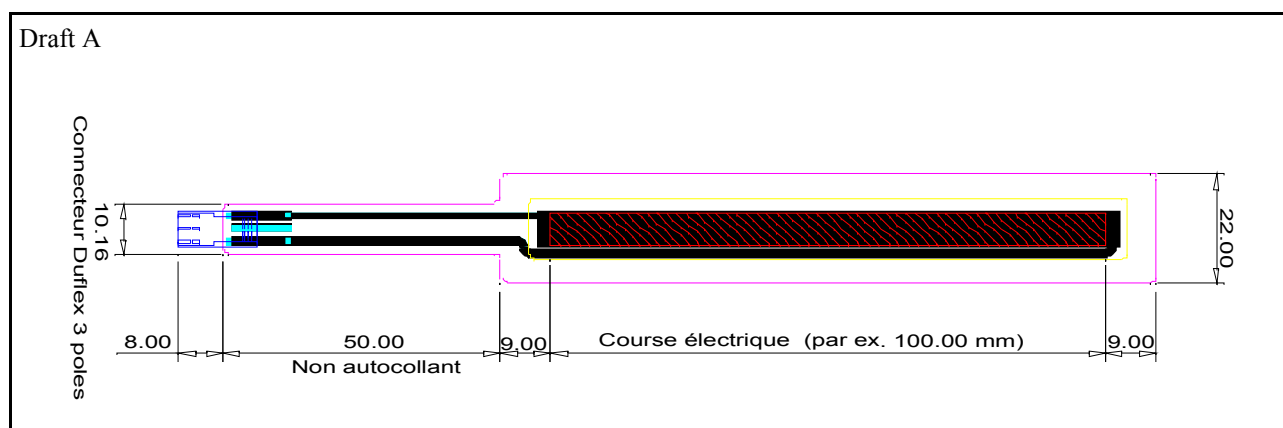
Specifications :

Nominal value	2,5 Kohms/100 mm
Standard strokes	50, 100, 200, 300, 400 and 500 mm
Resistance tolerance	$\pm 30\%$
Linearity	$\pm 2\%$
Resolution	Virtually infinite
Wiper current (recommended)	$< 100 \mu\text{A}$
Wiper current (max)	5mA short time peak
Temperature drift	900 ppm/ $^{\circ}\text{C}$
Temperature drift (wired as a tension divider)	100 ppm/ $^{\circ}\text{C}$
Life expectancy	5 millions cycles
Maximum speed	0.1 m / s
Thickness	0,5 mm typical
Pressure at wiper (recommended)	1 to 3 N
Wiper stroke	0,2 mm approx
Protection grade	IP65
Storage temperature	-40 to +70 $^{\circ}\text{C}$
Operating temperature	-40 to +70 $^{\circ}\text{C}$
Material	PET (polyester) foil
Connector	socket 2,54mm x 3

Standard types

Type	SFW 22-50	SFW 22-100	SFW 22-200	SFW 22-300	SFW 22-400	SFW 22-500
Draft	A	A	A	A	A	A
Stroke (mm)	50	100	200	300	400	500
Linearity	$\pm 2\%$	$\pm 2\%$	$\pm 2\%$	$\pm 2\%$	$\pm 2\%$	$\pm 2\%$

Ref.	Art. N°.	Art. N°.	Art. N°.	Art. N°.	Art. N°.	Art. N°.
	23 00 00	23 00 01	23 00 02	23 00 03	23 00 04	23 00 05



Options:

- Different strokes
- Different tolerances
- Different outputs

Example:

N° Art.	Type	Val. Ohm.	stroke
23 00 00	SFW 22-50	1.25k Ω	50 mm