

SFW 22 SERIES

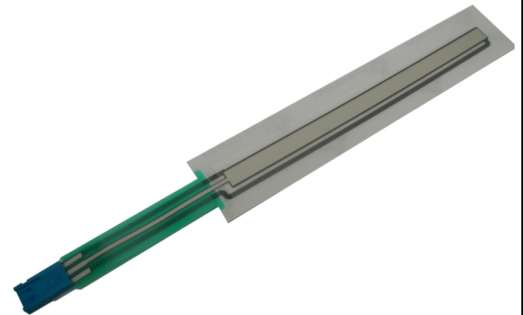
Linear motion potentiometers
Conductive plastic

Highlights :

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

Applications :

- Linear position, distance, interval measurement ...
- Automation control ...



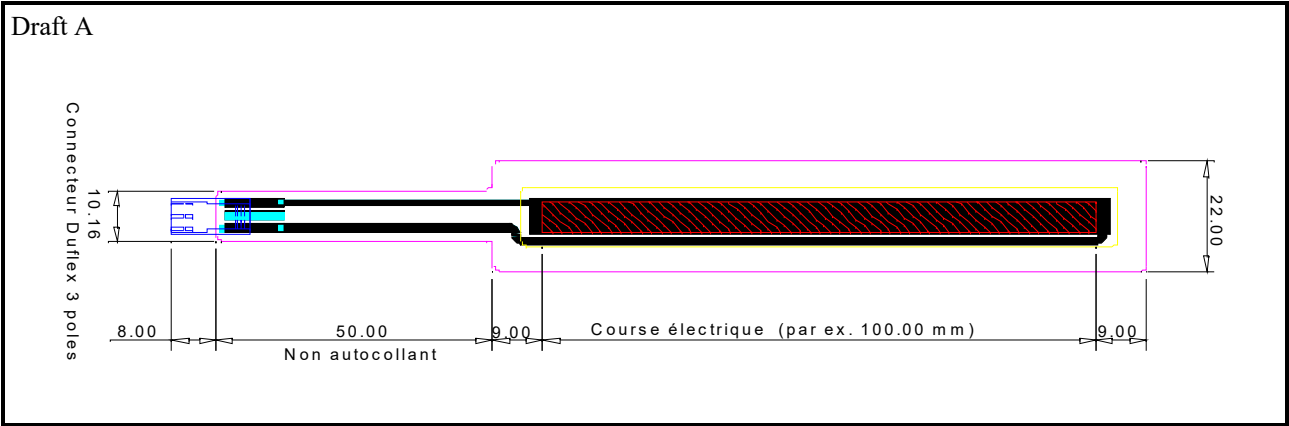
- **High precision**
- **Strokes from 50 to 500 mm**
- **Life expectancy : $5 \cdot 10^6$ cycles**

Specifications :

Nominal value	2,5 Kohms/100 mm
Standard strokes	50, 100, 200, 300, 400 and 500 mm
Resistance tolerance	±30%
Independent linearity	±2%
Resolution	Virtually infinite
Wiper current (recommended)	<100µA
Wiper current (max)	5mA short time peak
Temperature drift	900 ppm/°C
Temperature drift (wired as a tension divider)	100 ppm/°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 +55°C
Operating temperature	-40 to +55°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
Independent Linearity	$\pm 2 \%$	$\pm 2 \%$	$\pm 2 \%$	$\pm 2 \%$	$\pm 2 \%$	$\pm 2 \%$



Options:

- Different strokes
- Different tolerances
- Different outputs

Example:

Type	Val. Ohm.	stroke
SFW 22-50	1.25kΩ	50 mm