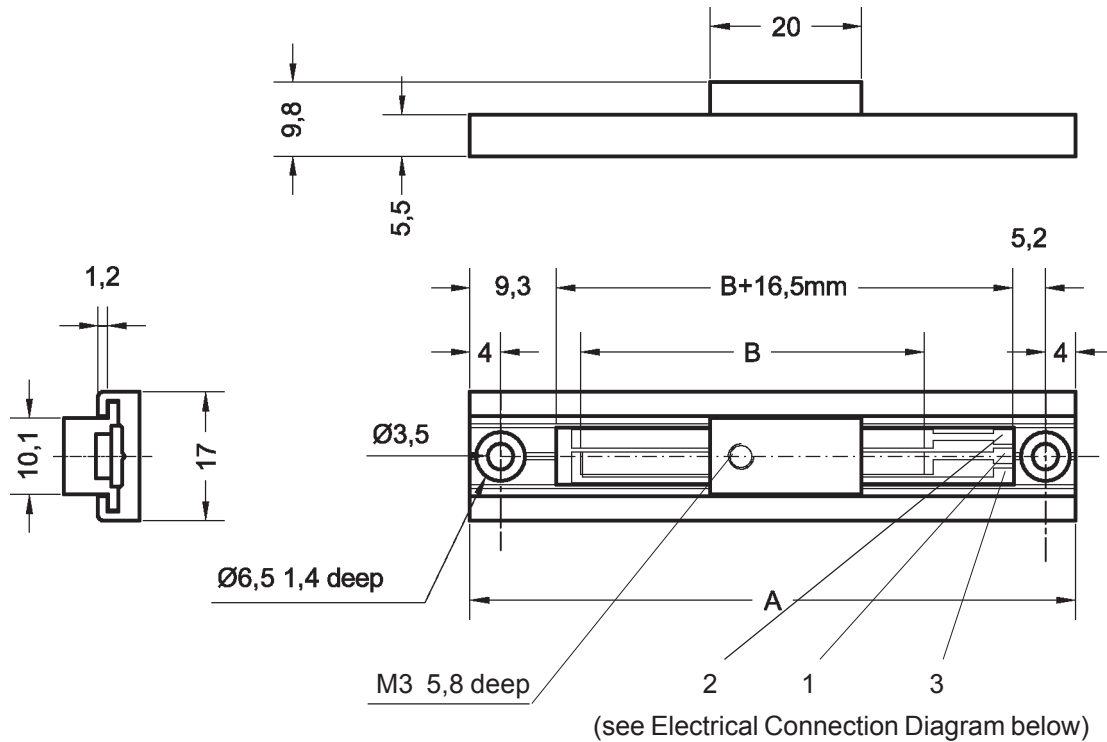


- High Resolution (<0,01mm) Conductive Pastic Element
- Free Choice of Strokes up to 200 mm
- Low Profile
- Small Quantity Custom Designs Possible

In order to provide the maximum flexibility series MBW is designed modular and offers a lot of variations. The sensor covers a huge range of applications because of its compact size and simple way of installation.



**Dimensions (mm)**



Dimensions in mm					Electrical Connection
Typ	MBW50	MBW100	MBW150	MBW200	
A in mm	85	135	185	235	
B in mm	50	100	150	200	

Electrical Specifications	MBW 50	MBW100	MBW 150	MBW200
Electrical Stroke [±0,5mm]	50	100	150	200
Resistance [Kohm]	10			
Resistance Tolerance [%]	20			
Independent Linearity Tol. [%]	< 1			
Resolution [mm]	< 0,01			
Power Rating at 40°C [W]	0,25			
Max. Wiper Current [mA]	1			
Recommended Wiper Current [µA]	< 1 (Voltage Divider)			

Mechanical Specifications	MBW 50	MBW100	MBW 150	MBW200
Mechanical Stroke [±0,5mm]	50	100	150	200
Operating Friction [N]	< 1,2			
Hysteresis [%]	< 0,01			
Weight [g]	16	27	32	40
Bearing of Cursor	Slide Bearings			
Max. Displacement Speed [m/s]	0,5			
Lifetime	2,5 Mio. cycles			
Housing	Aluminium / Plastics			
Connection	Soldered Points			
Carrier Plate of Resistance Element	Ceramics			

Environmental Specifications	
Operating Temperature [° C]	-15...+70
Storage Temperature [° C]	-30...+130

Options	
<b>Mechanical Options:</b> - customized design (length, shape) - custom designed cursor - cable version - self adhesive	<b>Electrical Options:</b> - free choice of strokes up to 200 mm

Order Code					
series	connection	elctrical stroke	resistance value	resistance tolerance	linearity tolerance
MBW	L	50	R 10 kOhm	W ±20%	L ±1%
L= soldered points					
Ordering Example:	Linear motion potentiometer series MBW, soldered points, electrical stroke 50mm, resistance 10 kOhm, resistance tolerance ±20%, independant linearity tolerance ±1%				

These datasheet specifications and informations can not consider the special customer demands in his application. Any modification may affect the specification of our equipment.