

**Conductive Plastic Element - Open Frame**



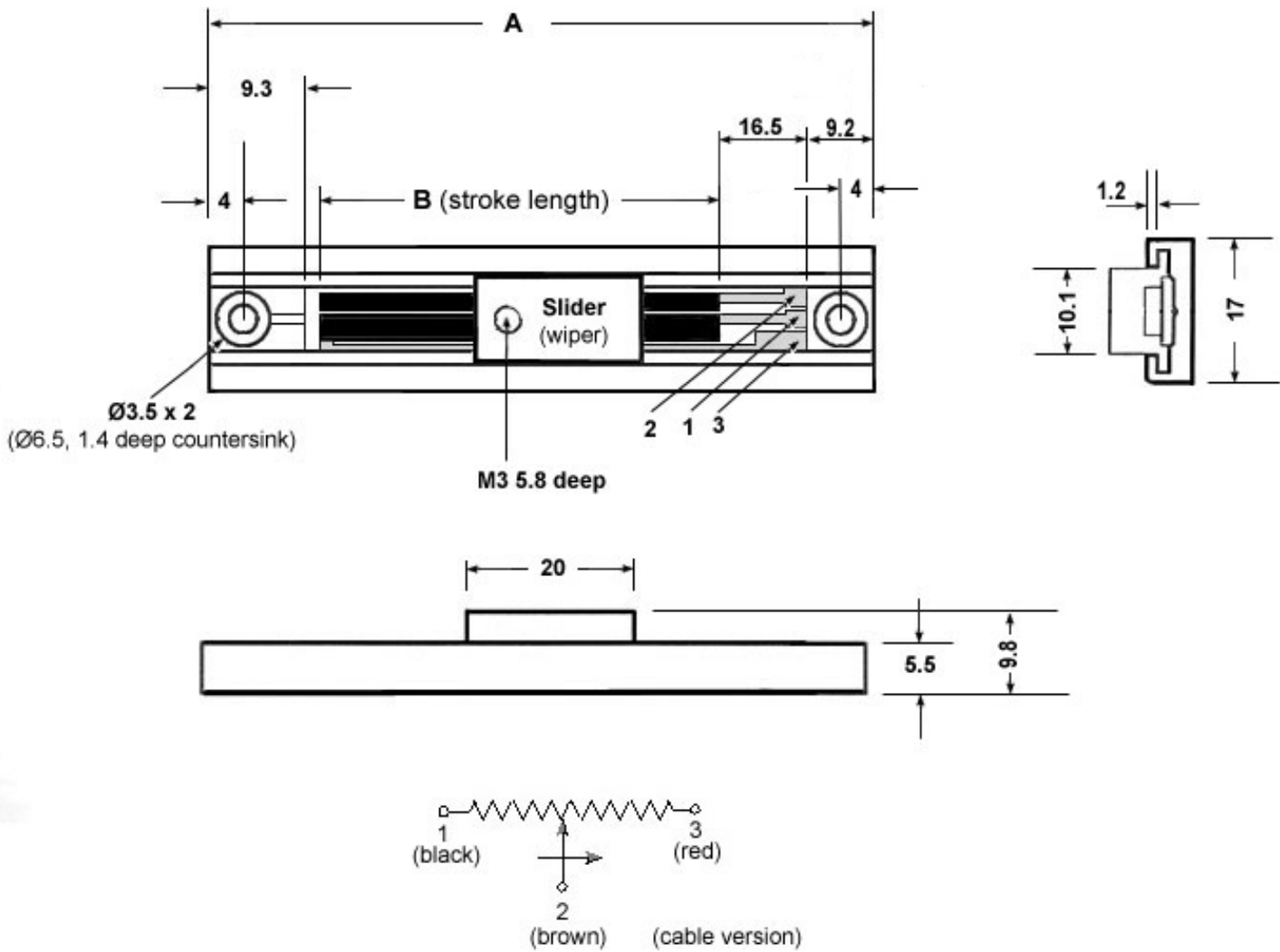
- **Cost Effective**
- **Infinite Resolution**
- **<1% Standard Linearity**
- **2.5 Million Cycles Life Span**

Floating wiper replaces conventional shaft reducing overall size. Economical. Aluminum frame with durable plastic wiper head assembly. No magnetic properties. Standard stroke lengths of 50, 100, 150 and 200mm's. Fractional or custom stroke lengths available. Optional with 150mm wire leads.

Electrical Specifications	MBW50	MBW100	MBW150	MBW200
Electrical Stroke (±0.5 mm)	50	100	150	200
Resistance Value	10K ohm			
Resistance Tolerance (standard)	± 20%			
Linearity Tolerance (standard)	< 1%			
Resolution	Essentially infinite (<0.01mm)			
Output Smoothness	< 0.1% against input voltage			
Power @ 40° (W)	0.25			
Maximum Wiper Current	1mA			
Recommended Wiper Current	<1µA (voltage divider circuit)			
Mechanical Specifications				
Mechanical Stroke (±0.5 mm)	50	100	150	200
Weight (g)	16	27	32	40
Life Expectancy - Shaft Cycles	2.5 million cycles			
Displacement Speed	0.5 m/s			
Environmental Specifications				
Operating Temperature	-15°C to +70°C			
Storage Temperature	-30°C to +130°C			
IP Protection Grade	not rated			
Materials				
Housing	Aluminum / Synthetic plastic			
Terminals	Solder points (lead wires optional)			

Dimension Table (mm)	MBW50	MBW100	MBW150	MBW200
A	85	135	185	235
B	50	100	150	200

**Dimensions (mm)**



**Options**

- Non standard resistance values
- Non standard stroke lengths

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