

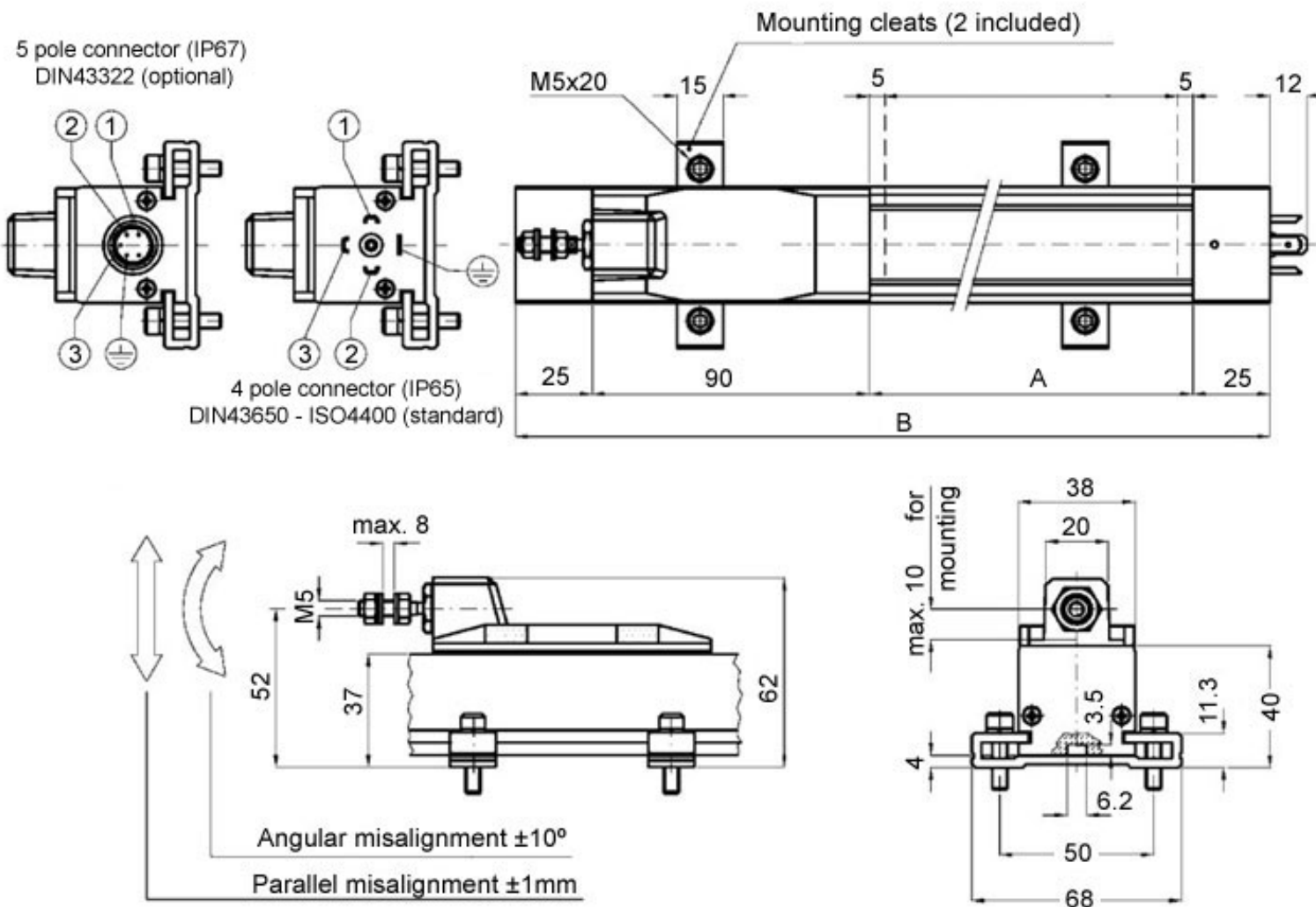


Conductive Plastic Element

- 100 to 2000mm Stroke Lengths
- Floating Wiper (rodless) with Swivel Joint
- 100 Million Cycles Life Span
- High Precision
- Adjustable Mounting Cleats

Rodless (no shaft) design saves in overall length dimension compared to standard reciprocating shaft designs. Unique swivel joint takes up misalignment play. Robust construction. 10 m/s standard displacement speed.

Electrical Specifications	100	150	200	300	400	500	750	900	1000	1500	2000
Electrical Stroke (mm)	103	153	204	305	406	509	763	915	1017	1521	2021
Resistance Value (Kohms)	5			10				20			
Resistance Tolerance	±20%										
Linearity Tolerance	±0.1%					±0.05%					
Resolution	Essentially infinite (<0.01mm)										
Output Smoothness	<0.1% against input voltage										
Power @ 40° (W)	3										
Temperature Coefficient	400 ppm/K (actual effect on output voltage <1.5ppm/°C)										
Insulation Resistance	>100 Mohm @ 500 VDC										
Dielectric Strength	1 minute @ 500 VAC										
Maximum Voltage	60 (V)										
Maximum Wiper Current	10mA (momentarily only)										
Rated Wiper Current	<1µA										
Mechanical Specifications	100	150	200	300	400	500	750	900	1000	1500	2000
Mechanical Stroke (mm)	113	163	214	315	416	519	773	925	1027	1531	2031
Maximum Operating Friction	1.2 (N)										
Repeatability	0.01mm										
Life Expectancy	25 million meters or 100 million cycles, whichever occurs first										
Displacement Speed	10 m/s										
Vibration	20 g / 5Hz to 2,000 Hz (shaft retracted)										
Shock	50 g / 11ms										
Environmental Specifications											
Operating Temperature	-30°C to +100°C										
Storage Temperature	-50°C to +120°C										
IP Protection Grade	IP40										
Materials											
Housing	Aluminum										
Shaft	Stainless steel										
Dimension Table (mm)	100	150	200	300	400	500	750	900	1000	1500	2000
A	113	163	214	315	416	519	773	925	1027	1531	2031
B	253	303	354	455	556	659	913	1065	1167	1671	2171
Weight (kg)	0.5	0.58	0.65	0.8	0.95	1.1	1.5	1.7	1.85	2.6	3.8
Dimensions (mm)											

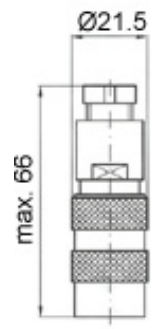
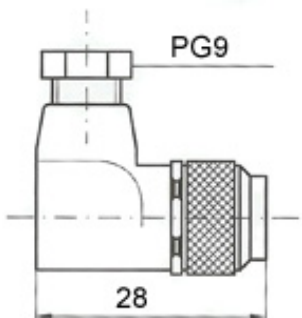


Accessories

Female Connectors

SW25: 4 pole (IP65) DIN43650

SW61: 5 pole (IP67) DIN43322



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