

Potentiometer CP - Hollow Shaft Model HWL 60



Features

- variable connections
- high life cycles

Applications

- flap position
- valve gear
- joysticks
- steering wheel angle

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Electrical Characteristics

Resistance range	1k Ω , 5k Ω , 10k Ω	(1)
Resistance tolerance	$\pm 20\%$	(1)
Effective electrical angle	270°	(1)
Independent linearity	$\pm 21\%$	(1)
Power rating	0,5 W at 40°C	
Resolution	essentially infinite	
Max. Wiper current	10mA in failure mode	
Wiper load	> 100* R _n	
Insulation resistance	10 G Ω bei 500 VDC	
Dielectric withstanding voltage	1000 VAC	
Temperature coefficient at voltage divider	< ± 15 ppm/°C	

Mechanical Characteristics

Life cycles	5.000.000 cycles	
Mechanical angle	no mechanical end stop	(2)
Seal condition	IP 50	(1)
Torque (starting & running)	< 0,3 Ncm	(1)
Bearing	Floating rotor	(1)
Geometry of the hole	Squared drive, D-drive	

Environmental Characteristics

Operating temperature	-25°C ... +85°C
Climatic class	25/085/56
Vibration	10g (50Hz - 10 kHz)
Shock	50g 11 msec half sine

Material

Body mould	thermoplastic
Connections	printed board

Specifications subject to change without notice

(1) Other values on request

(2) Stops on request

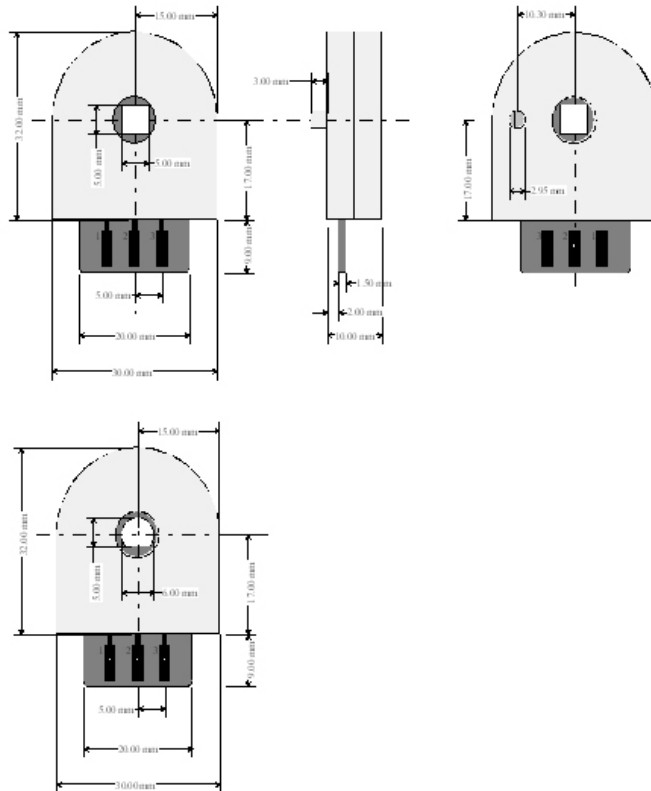
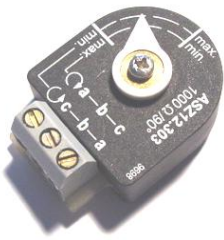
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Model



How to order

H	W	L	6	0	H	E	1	0	K	3	2	0	°	L	i
Series			Type		Fixture		Resistance			Electrical angle				Electrical interface	
Potentiometer Hollow Shaft CP			Hollow shaft: 6mm		H - Hollow shaft 6mm / D-Profile anti-twist plate at the housing		1K 5K 10K			320° 270° 2 x 75° 2 x 150° With center tap possible				Li - Braid connection on plate KA - Cable connection	

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