

## DHS050-101 Series---Solid Flange Slip Ring

### DHS050-101 Description:

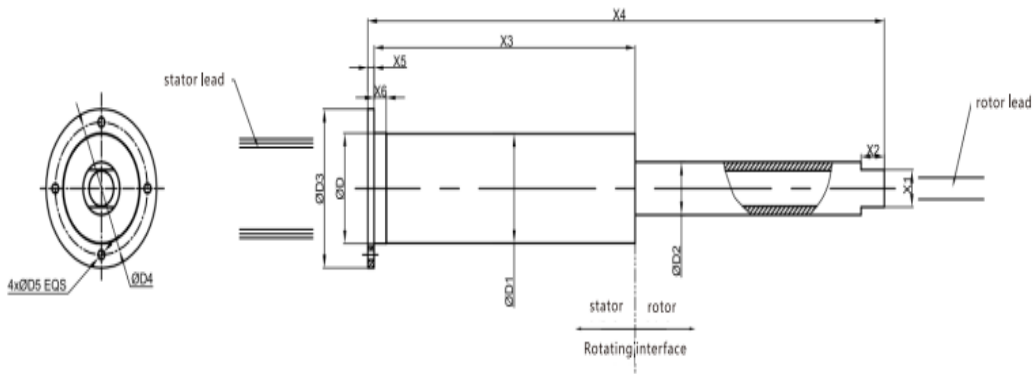
DHS050-101 product with solid-shaft, OD 50 mm, suitable for rotating application, support 0-120 ring, signal (2-20A/ring).

### DHS050-101 Customized Options:

- ◆ Inner diameter, outer diameter, length
- ◆ Working speed
- ◆ Number of channels
- ◆ Current, voltage
- ◆ Wire length, connection terminals
- ◆ Shell material and color
- ◆ Protection level
- ◆ Signal and power can be transmitted separately or mixed



### DHK050-101 Standard Drawing :



## DHS050-101 Technical Parameters:

Product Grade Table			
Product grade	Working speed	Working life	
General	0~200 rpm	10 million revolutions	
Industrial	300~1000rpm	30 million revolutions	
Technical Parameters			
Electrical technical		Mechanical technical	
Parameters	Value	Parameters	Value
Number of rings	101 Ring or Custom	Working temperature	-40℃~+65℃
Rated current	20A/3 rings, 10A/18 rings, other 3A	Working humidity	<70%
Rated voltage	0~240VAC/VDC	Protection level	IP51
Insulation resistance	≥500MΩ@500VDC	Shell material	Stainless steel
Insulation strength	1000VAC@50Hz, 60s, 2mA	Electrical contact material	Precious metals
Dynamic resistance change v	<10mΩ	Lead specification	20A(AF-0.75 mm <sup>2</sup> ), 10A(AF- 0.75 mm <sup>2</sup> ), AF-0.15mm <sup>2</sup>
Working speed	0-300rpm	Lead length	500mm+15mm

## DHS050-101 Series Wire Color Table by Ingiant

Wire Specification Table				
Rated current	Wire size (AWG)	Conductor size (mm <sup>2</sup> )	Wire color	Wire diameter
≤2A	AWG26#	0.15	Red, yellow, black, blue, green, white, brown, gray, orange, purple, light red, transparent	Φ1
3A	AWG24#	0.2	Red, yellow, black, blue, green, white, brown, gray, orange, purple, light red, transparent, blue white, white red	Φ1.3
5A	AWG22#	0.35	Red, yellow, black, blue, green, white, brown, gray, orange, purple, light red, transparent, blue white, white red	Φ1.3
6A	AWG20#	0.5	Red, yellow	Φ1.4
8A	AWG18#	0.75	Red, yellow, black, brown, green, white, blue, gray, orange, purple	Φ1.6
10A	AWG16#	1.5	Red, yellow, black, brown, green, white	Φ2.0
15A	AWG14#	2.00	Red, yellow, black, brown, green, white	Φ2.3
20A	AWG14#	2.5	Red, yellow, black, brown, green, white	Φ2.3
25A	AWG12#	3.00	Red, yellow, black, blue	Φ3.2
30A	AWG10#	6.00	Red	Φ4.2
> 30A	Use multiple AWG12# or multiple AWG10# wires in parallel			

### Lead wire length description:

1.500+20mm (General requirement: Measure the wire length from the end face of the wire outlet hole of the inner and outer rings of the slip ring).

### 2.Length as required by the customer:

L<1000mm, Standard L+20mm

L>1000mm, Standard L+50mm

L>5000mm, Standard L+100mm