DHK025 Series---Through Bore Slip Ring
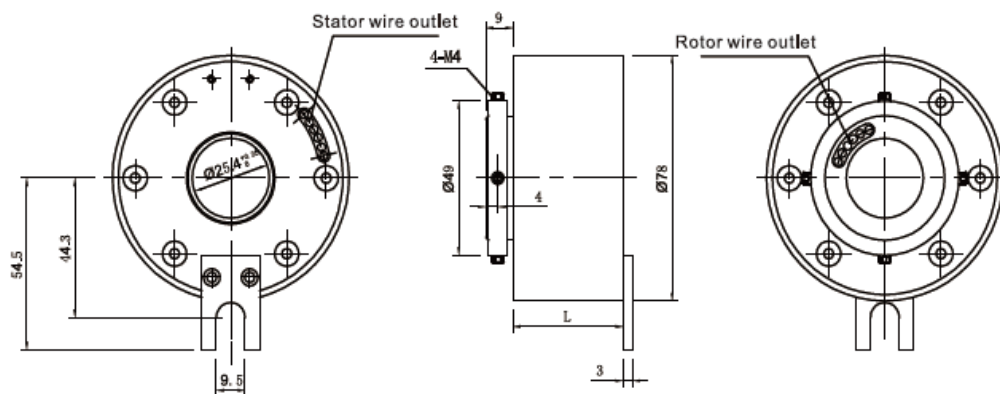
DHK025 Description:

DHK025 product with through bore 25.4 mm,0D 78 mm,
suitable for rotating application,support 1-48 ring,signal (2A-20A/ring).

DHK025 Customized Options:

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

DHK025 2D Standard Drawing :

DHK025 Technical Parameters:

Product Grade Table		
Product grade	Working speed	Working life
General	0 ~ 200 rpm	20 million revolutions
Industrial	300 ~ 1000rpm	60 million revolutions
Technical Parameters		
Electrical technical		Mechanical technical	
Parameters	Value	Parameters	Value
Number of rings	Custom	Working temperature	-40℃ ~ +65℃
Rated current	2A,5A,10A,15A,20A	Working humidity	< 70%
Rated voltage	0 ~ 240VAC/VDC	Protection level	IP54
Insulation resistance	≥1000MΩ@500VDC	Shell material	Aluminum Alloy
Insulation strength	1500VAC@50Hz,60s,2mA	Electrical contact material	Precious metals
Dynamic resistance change value	< 10mΩ	Lead specification	Colored Teflon
Working speed	0-600rpm	Lead length	500mm+20mm

DHK025 Series Recommend Products by Ingiant

Item No.	Ring Number	2A Length	5A Length	10A Length	15A Length	20A Length
DHK025-6	6	27.4	28.6	30.4	33.4	36.4
DHK025-12	12	39.4	41.8	45.4	51.4	-
DHK025-18	18	51.4	55	-	-	-
DHK025-24	24	63.4	68.2	-	-	-
DHK025-30	30	81.4	87.4	-	-	-
DHK025-36	36	93.4	100.6	-	-	-
DHK025-42	42	105.4	113.8	-	-	-
DHK025-48	48	117.4	127	-	-	-

Conductor Specification:2A with AWG26# color Teflon conductor ,5A with AWG22# color Teflon conductor
10A uses AWG18#color Teflon conductor (or AWG16# flexible color PVC insulated conductor)
15A uses AWG16# color Teflon conductor (or AWG14# flexible color PVC insulated conductor)
20A uses AWG14# color Teflon conductor.Length of product combinations with arbitrary number of channels($n_2, n_5, n_{10}, n_{15}, n_{20}$)(mm):
$L = 15.4 + 2 \times n_2 + 2.2 \times n_5 + 2.5 \times n_{10} + 3 \times n_{15} + 3.5 \times n_{20}$