

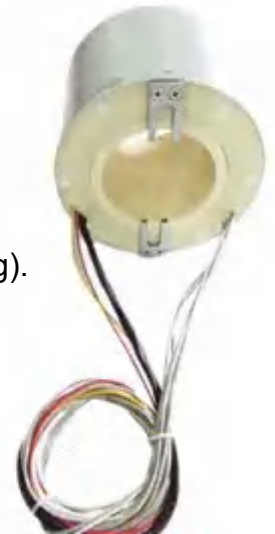
## DHK100 Series---Through Bore Slip Ring

### DHK100 Description:

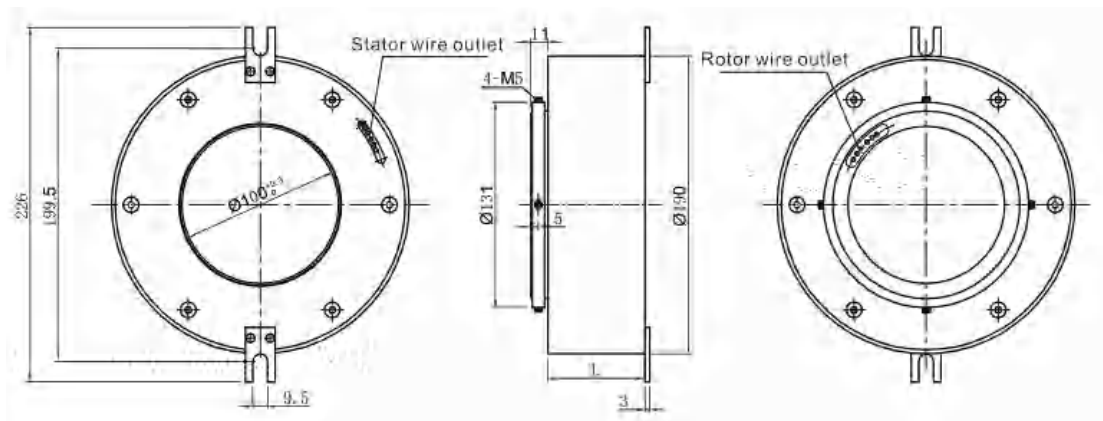
DHK100 product with through bore 100 mm, OD 190 mm, suitable for rotating application, support 1-120 ring, signal (2A-20A/ring).

### DHK100 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



### DHK100 2D Standard Drawing :



### DHK100 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°C ~ +65°C
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

## DHK100 Series Recommend Products by Ingiant

Item No.	Ring Number	2A Length	5A Length	10A Length	15A Length	20A Length	25A Length
DHK100-6	6	59	60.2	62	65	68	71
DHK100-12	12	71	73.4	77	83	89	95
DHK100-18	18	83	86.6	92	101	110	119
DHK100-24	24	95	99.8	107	119	131	143
DHK100-30	30	107	114	122	137	152	167
DHK100-36	36	119	127.2	137	155	173	191
DHK100-42	42	131	140.4	152	173	194	215
DHK100-48	48	143	153.6	167	191	215	239
DHK100-54	54	155	166.8	182	209	236	263
DHK100-60	60	167	180	197	227	257	287
DHK100-66	66	179	193.2	212	245	-	-
DHK100-72	72	191	206.4	227	263	-	-
DHK100-78	78	203	219.6	242	-	-	-
DHK100-84	84	215	232.8	257	-	-	-
DHK100-90	90	227	246	272	-	-	-
DHK100-96	96	239	259.2	287	-	-	-
DHK100-102	102	251	272.4	-	-	-	-
DHK100-108	108	263	285.6	-	-	-	-
DHK100-114	114	275	-	-	-	-	-
DHK100-120	120	287	-	-	-	-	-

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(n2,n5,n10,n15,n20)(mm):

$$L=15.4+2*n2+2.2*n5+2.5*n10+3*n15+3.5*n20$$