PHE16 Pneumatic/Hydraulic+Electric Slip Rings

Features

Combination of electrical circuits(Power/signal) and pneumatic/ hydraulic transmission when 360°Rotating Compact structure, circuits can be Ethernet,Ethercat,profibus,profinet,canbus,devicenet,and so on.



PHE series Slip Rings

Online Chat

Options(On your request)

Number of Circuits Housing material IP class Higher operating speed Cable length Connectors Special cables Salt mist proof Operating temperature Housing can be mounted upside down

Part Instruction:



Pneumatic/Hydraulic Specification			
Passage	16	Max. Pressure	20BAR
Connection Sizes	M5,G1/8,G1/4,G3/8,G1/2,G3/4	Torque	depends on connection size
Working life	>80 million revolutions	Media material	Air/Gas, Oil, Water...
Seal Type	PTFE Filled Nitrile O-Ring	Body Material	Aluminum
Shaft	E-Nickel	Housing	Anodize
Operating Temp.	-40°C to 80°C	Storage Temp.	-55°C to 85°C
Bearing.	Deep groove ball	Protection	IP51

Electrical Specifications			
Rings(circuits)	2~128	Current	2A,10A,30A
Working speed	0~250RPM	Voltage	0~600VDC/VAC
Housing Material	aluminium alloy	Torque	0.1N.m;+0.06N.m/6rings
Working life	>120 million revolutions	Contact material	Precious Metal:Gold-Gold
Electrical noise	<5mOhn	Contact Resistance	<2mOhm
Dielectric strength	800VDC@50Hz	Wires Lenght	300mm
Insulation resistance	1000MΩ@600VDC	Lead Lengths	300mm(12")
Operating Temp.	-40°C to 80°C	Storage Temp.	-55°C to 85°C
Bearing.	Deep groove ball	Protection	IP51

Part#	Passages	Power(10A)	Signal(2A)	Voltage(VDC/VAC)	Dimension
PHE16-G05(16 passage M5) - (available in stock)					
PHE16-G05-P06	2	6	0	0~690V	
PHE16-G05-S06	2	0	6	0~690V	
PHE16-G05-P12	2	12	0	0~690V	
PHE16-G05-S12	2	0	12	0~690V	
PHE16-G05-P18	2	18	0	0~690V	
PHE16-G05-S18	2	0	18	0~690V	

PHE16-G05-P24	2	18	0	0~690V
PHE16-G05-S24	2	0	18	0~690V

Can Customized on your request

Please tell us:

1)How many passages in total?

2)Connection size for each port?

3)Media Material?

4)Pressure for each passage?

5)How many circuits in total?

Typical applications

Industrial machinery-machining centers, rotary index table Heavy equipment turrets, cable reels, test equipments Packaging machines, palletizing machines, magnetic clutch, process equipment Rotary sensors, emergency lighting, robotics Exhibit/display equipment, medical equipment

Customized on your request

If you don't see what you want in this website,let us know; we may already have it designed or we will modify a design to meet your requirements. In many cases the specifications in the catalog can be changed to include bore size, circuits number, higher current/voltage,flange, lead wire length,shielding,connectors,higher speed,IP68,military grade,higher temperature, mixed with pneumatic/hydraulic capability. Please ask if you don't see exactly what you need as only a small fraction of our Rion slip rings are included in this catalog!

For a detailed outline drawing/3D modal files of a specific model number, or to request a quotation, please contact your local sales representative or send an email to sales@rionsr.com