

## :: PHE12 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:

PHE XX - G 14 - P 06

**PHE - Pneumatic/Hydraulic+ Electric type Slip Rings**

01 - 1 passages, 02-2 passages, 04 - passages, 06-6 passages ...

Connection Size: G03 - M3, G05 - M5, G18 - G1/8", G14 - G1/4", G38 - G3/8", G12 - G1/2", G34 - G3/4", G10 - G1"

06: Circuits Num = 6

P: Power-10A, S: Signal(5A)

### Pneumatic/Hydraulic Specification

Passage	12	Max. Pressure	20BAR
Connection Sizes	M5	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
PHE12-G05(12 passage M5) - (available in stock)					
PHE12-G05-P06	2	6	0	0~690V	<a href="#">Download</a>
PHE12-G05-S06	2	0	6	0~690V	<a href="#">Download</a>
PHE12-G05-P12	2	12	0	0~690V	<a href="#">Download</a>
PHE12-G05-S12	2	0	12	0~690V	<a href="#">Download</a>
PHE12-G05-P18	2	18	0	0~690V	<a href="#">Download</a>
PHE12-G05-S18	2	0	18	0~690V	<a href="#">Download</a>
PHE12-G05-P24	2	24	0	0~690V	<a href="#">Download</a>
PHE12-G05-S24	2	0	24	0~690V	<a href="#">Download</a>

PHE12-G05-P24	2	18	0	0~690V	Download 
PHE12-G05-S24	2	0	18	0~690V	Download 

### 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](mailto:sales@rionsr.com)