

General Description

Mercury slip ring enjoys the same performance just like other electrical sliprings, both of them are a device which could provide 360 degree rotations to transmit signal and power between stator side and rotor side of different industry equipments. No doubt, mercury slip ring just take advantage of mercury as a conductive media, which only could transfer current and signal via liquid metal under normal temperature status. This kind of slip ring has the main feature of strong stability, high precious signal and no noise. Meanwhile, compared with the traditional mechanical sliprings, this rotary connector is smaller size, easier installation and free maintenance, etc. Mercury slip ring provides the most scientific, economical and profitable rotary solution for various application industries.

Features:

1. High work speed & big current
2. Less than 1mΩ contact resistance, no noise
3. Compact structure, easy installation and smooth operation
4. Free maintenance and more durable than traditional slip ring
5. Apply to any rotating device to transmit various signal and power
6. Non-mercury slip ring is optional (Conform to CE, RoHs certification)
7. Stainless steel and aluminum alloy housing is optional
8. Contact pin and lead wire installation is optional

Application:

1. Rotating table, rotating camera and rotary lamp box
2. Cable wheel, winding machine
3. Resistors cutting machine
4. Robot arm
5. Wind turbine generator
6. Medical equipment, spinning LED sign board
7. Manufacturing and handling control machine



Notice:

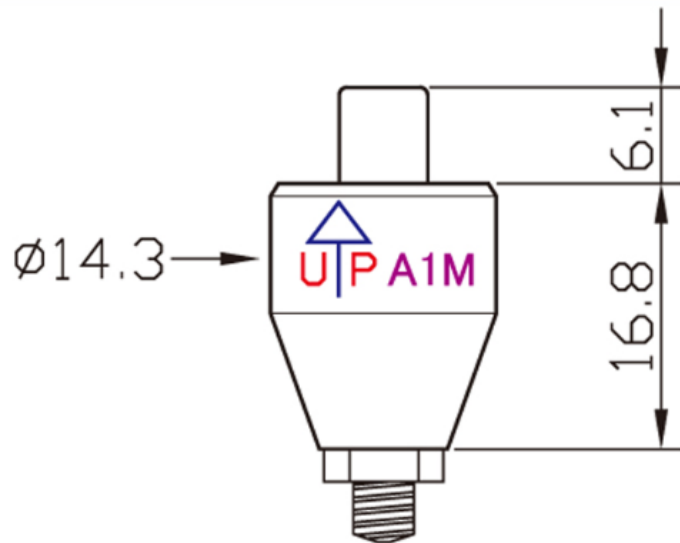
1. Not exceed the max temperature 60℃ (140°F), ambient temperature + self heating.
2. Vertical mounting and storage should keep the U P in the up direction.
3. Mounting into a shaft should keep no eccentricity.
4. Do not solder on the connector and terminal.
5. Connect the connector on the terminal only a few times, losing connection will cause heating when apply electrical power.
6. Vibration will cause service life shorter.
7. The rotary connector can be mounted by the body or plastic collar, but it can not carry mechanical loads. Another end should be connected floating hold by electric wire.
8. The uppers notice should be kept, otherwise, it will cause the rotary connector failure or shorten service life.

A1M

Specification:

Specification	
Product Model	A1M
Circuits/Current	1circuit @ 10A
Max Frequency	200MHz
Max Work Speed	3600RPM
Work Temperature	-30 C - +60 C
Torque	35gm
Remarks: Transferring micro voltage, current, EMF, thermocouple, strain gauge, audio, video, high frequency signal, etc.	

Drawing:



If you have specific customized requirement, please feel free to consult us so that our sales engineer could recommend the most suitable product to you for you reference.

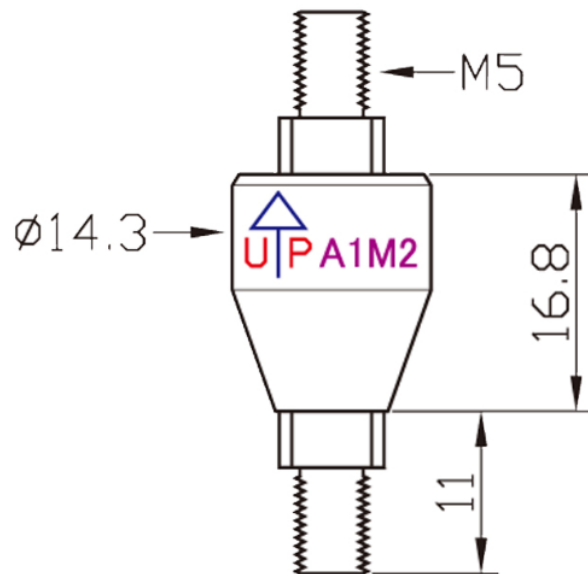
A1M2

Specification:

Specification	
Product Model	A1M2
Circuits/Current	1 circuit @ 20A
Work Voltage	250VAC/DC
Max Frequency	200MHz
Max Work Speed	2000RPM
Work Temperature	-30 C -+60 C
Torque	50gm

Remarks: Transferring micro voltage, current, EMF, thermocouple, strain gauge, audio, video, high frequency signal, etc.

Drawing:



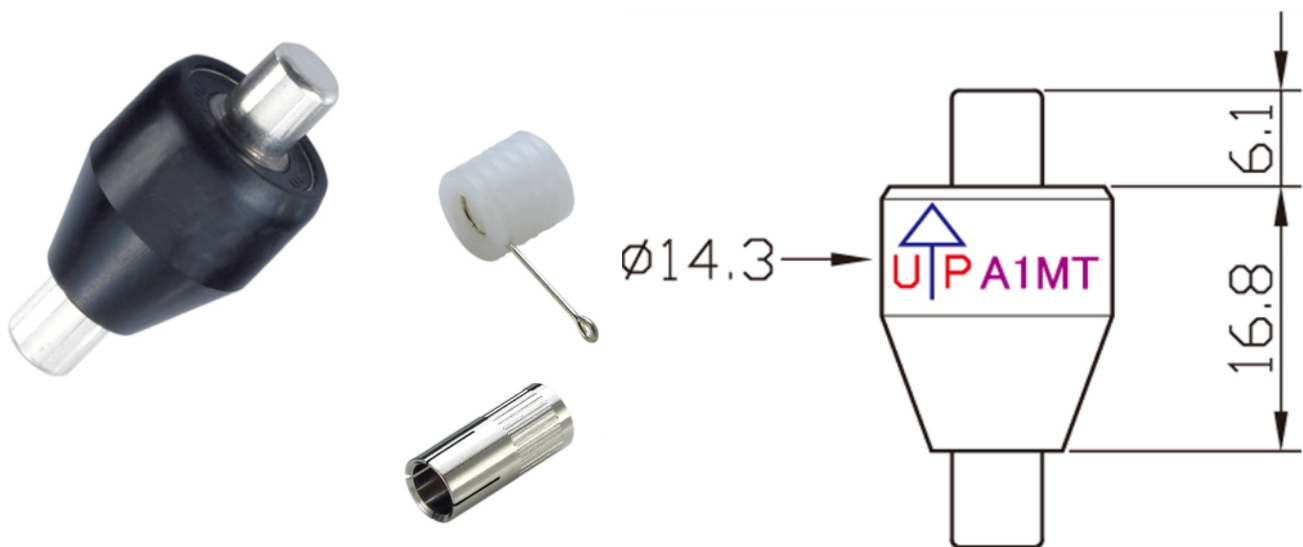
If you have specific customized requirement, please feel free to consult us so that our sales engineer could recommend the most suitable product to you for you reference.

A1MT

Specification:

Specification	
Product Model	A1MT
Circuits/Current	1circuit @ 10A
Max Frequency	200MHz
Max Work Speed	3600RPM
Work Temperature	-30 C - +60 C
Torque	35gm
Remarks: Transferring micro voltage, current, EMF, thermocouple, strain gauge, audio, video, high frequency signal, etc.	

Drawing:



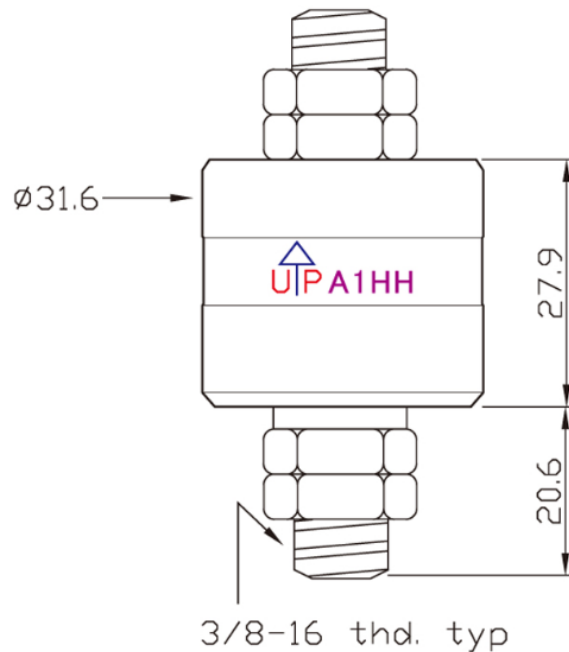
If you have specific customized requirement, please feel free to consult us so that our sales engineer could recommend the most suitable product to you for you reference.

A1HH

Specification:

Specification	
Product Model	A1HH
Circuits/Current	1 circuit @ 250A
Work Voltage	250VAC/DC
Max Frequency	200MHz
Max Work Speed	1200RPM
Work Temperature	-30 C - +60 C
Torque	250gm
Remarks: Transferring micro voltage, current, EMF, thermocouple, strain gauge, audio, video, high frequency signal, etc.	

Drawing:



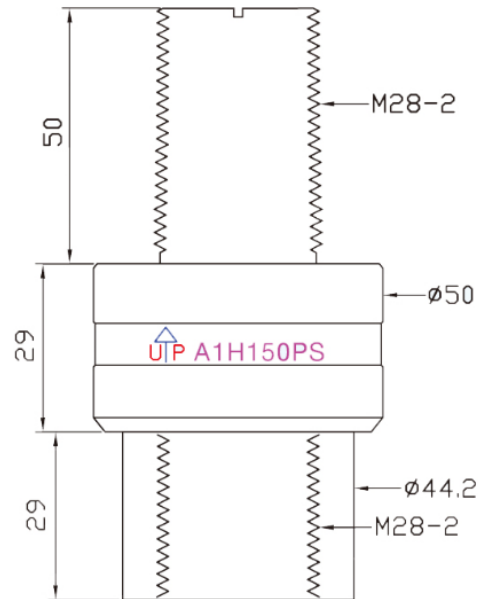
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A1H150PS

Specification:

Specification	
Product Model	A1H150PS
Circuits/Current	1 circuit @ 500A
Work Voltage	250VAC/DC
Max Frequency	200MHz
Max Work Speed	300RPM
Work Temperature	-30 C - +60 C
Torque	700gm
Remarks: Transferring micro voltage, current, EMF, thermocouple, strain gauge, audio, video, high frequency signal, etc.	

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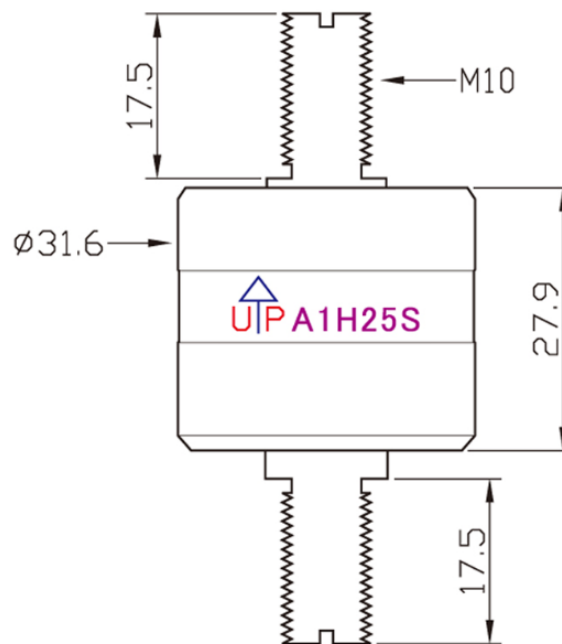
If you have specific customized requirement, please feel free to consult us so that our sales engineer could recommend the most suitable product to you for you reference.

A1H25S

Specification:

Specification	
Product Model	A1H25S
Circuits/Current	1 circuit @ 250A
Work Voltage	250VAC/DC
Max Frequency	200MHz
Max Work Speed	1200RPM
Work Temperature	-30℃ - +60℃
Torque	250gm
Remarks: Transferring micro voltage, current, EMF, thermocouple, strain gauge, audio, video, high frequency signal, etc.	

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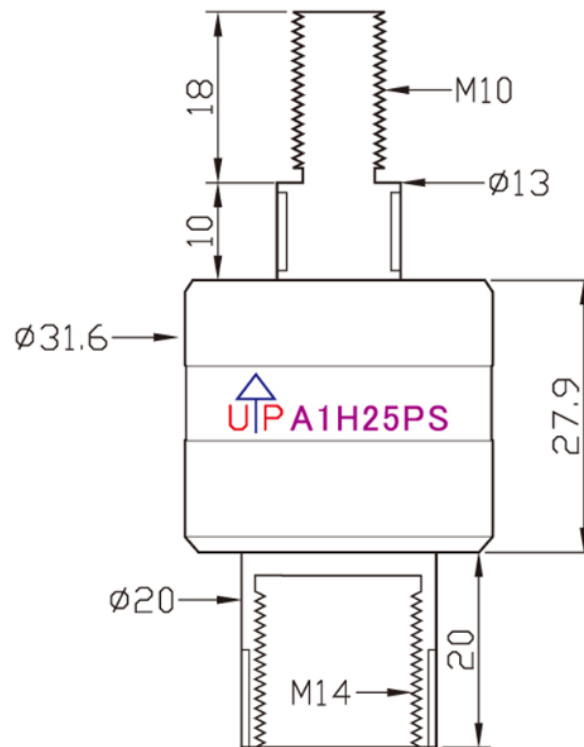
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A1H25PS

Specification:

Specification	
Product Model	A1H25PS
Circuits/Current	1 circuit @ 250A
Work Voltage	250VAC/DC
Max Frequency	200MHz
Max Work Speed	1200RPM
Work Temperature	-30 °C - +60 °C
Torque	250gm
Remarks: Transferring micro voltage, current, EMF, thermocouple, strain gauge, audio, video, high frequency signal, etc.	

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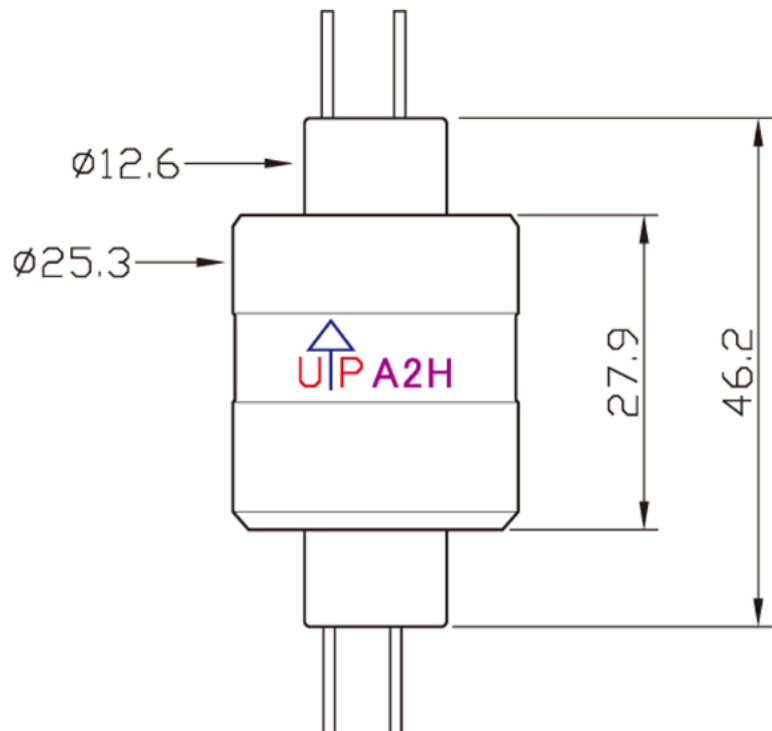
If you have specific customized requirement, please feel free to consult us so that our sales engineer could recommend the most suitable product to you for you reference.

A2H

Specification:

Specification	
Product Model	A2H
Circuits/Current	2 circuits @ 30A
Work Voltage	250VAC/DC
Max Frequency	200MHz
Max Work Speed	1800RPM
Work Temperature	-30 C - +60 C
Torque	200gm
Insulation Resistance	Greater than 25MΩ
Remarks: Transferring micro voltage, current, EMF, thermocouple, strain gauge, audio, video, high frequency signal, etc.	

Drawing:



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A2H6

Specification:

Specification	
Product Model	A2H6
Circuits/Current	2 circuits @ 60A
Work Voltage	250VAC/DC
Max Frequency	200MHz
Max Work Speed	600RPM
Work Temperature	-30 °C - +60 °C
Torque	400gm
Insulation Resistance	Greater than 25MΩ
Remarks: Transferring micro voltage, current, EMF, thermocouple, strain gauge, audio, video, high frequency signal, etc.	

Drawing:



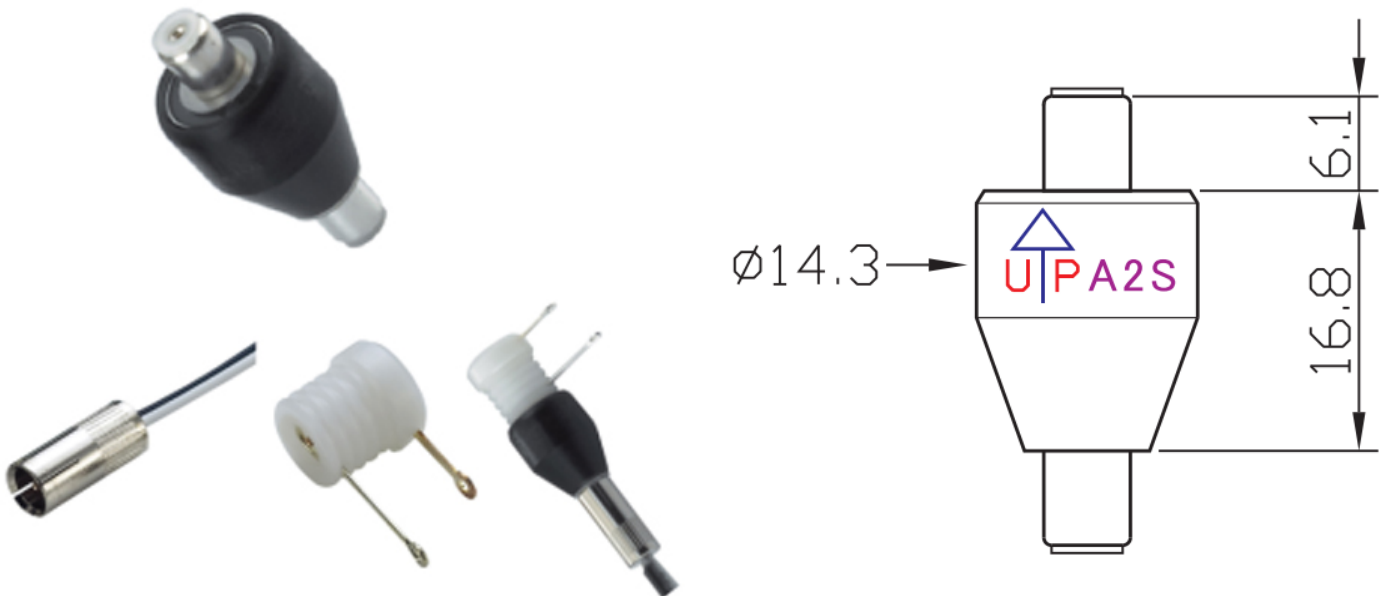
If you have specific customized requirement, please feel free to consult us so that our sales engineer could recommend the most suitable product to you for you reference.

A2S

Specification:

Specification	
Product Model	A2S
Circuits/Current	2 circuits @ 4A
Work Voltage	250VAC/DC
Max Frequency	200MHz
Max Work Speed	2000RPM
Work Temperature	-30 C - +60 C
Insulation Resistance	Greater than 25MΩ
Torque	75gm
Remarks: Transferring micro voltage, current, EMF, thermocouple, strain gauge, audio, video, high frequency signal, etc.	

Drawing:



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A2S-NM

Specification:

Specification	
Product Model	A2S-NM
Circuits/Current	2 circuits @ 4A
Work Voltage	250VAC/DC
Max Frequency	20MHz
Max Work Speed	1000RPM
Work Temperature	-50 C -+80 C
Insulation Resistance	Greater than 25MΩ
Torque	75gm
Remarks: Transferring micro voltage, current, EMF, thermocouple, strain gauge, audio, video, high frequency signal, etc.	

Drawing:



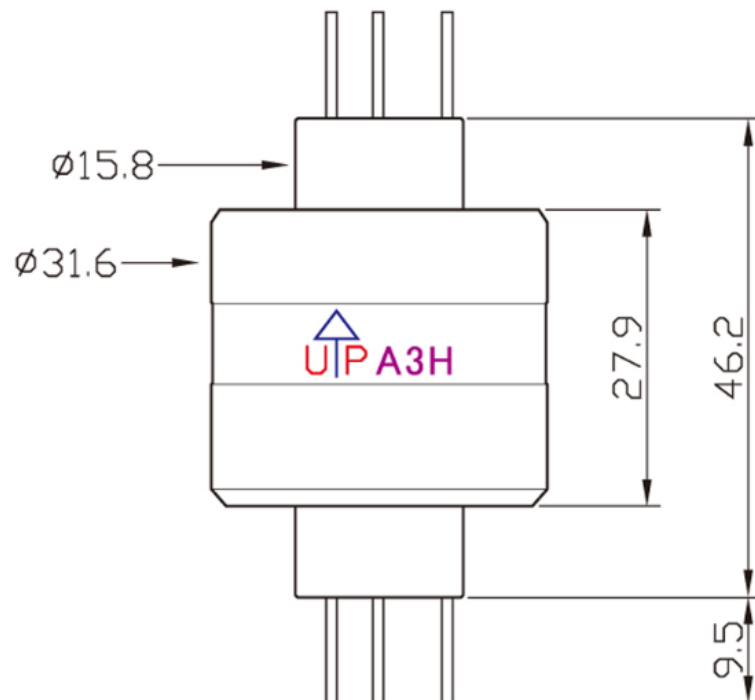
If you have specific customized requirement, please feel free to consult us so that our sales engineer could recommend the most suitable product to you for you reference.

A3H

Specification:

Specification	
Product Model	A3H
Circuits/Current	3 circuits @ 30A
Work Voltage	250VAC/DC
Max Frequency	200MHz
Max Work Speed	1200RPM
Work Temperature	-30 C - +60 C
Torque	400gm
Insulation Resistance	Greater than 25MΩ
Remarks: Transferring micro voltage, current, EMF, thermocouple, strain gauge, audio, video, high frequency signal, etc.	

Drawing:



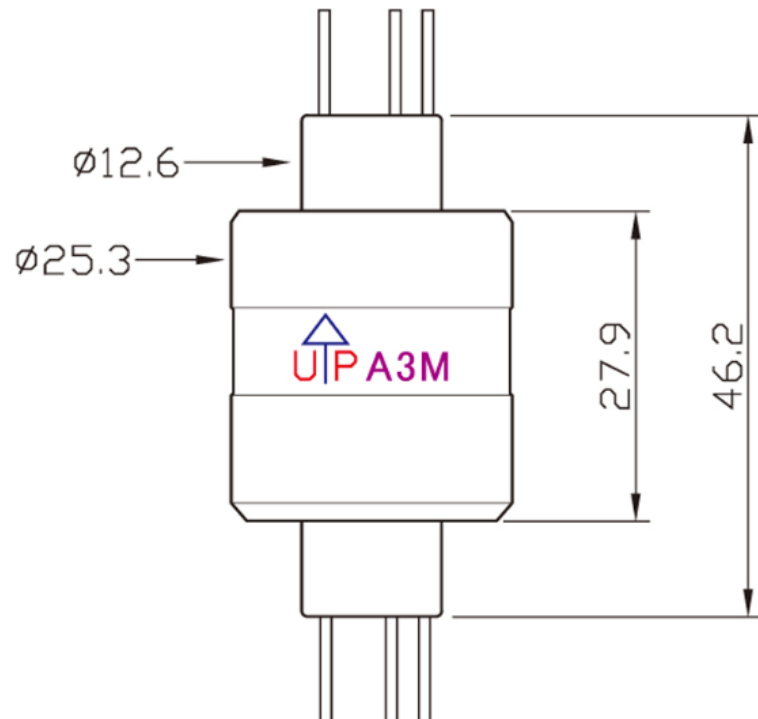
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A3M

Specification:

Specification	
Product Model	A3M
Circuits/Current	1 circuit @ 30A; 2 circuits @ 4A
Work Voltage	250VAC/DC
Max Frequency	200MHz
Max Work Speed	1800RPM
Work Temperature	-30 C - +60 C
Torque	200gm
Insulation Resistance	Greater than 25MΩ
Remarks: Transferring micro voltage, current, EMF, thermocouple, strain gauge, audio, video, high frequency signal, etc.	

Drawing:



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A3M-W

Specification:

Specification	
Product Model	A3M-W
Circuits/Current	3 circuits @ 4A
Work Voltage	250VAC/DC
Max Frequency	200MHz
Max Work Speed	1800RPM
Work Temperature	-30 C - +60 C
Torque	200gm
Insulation Resistance	Greater than 25MΩ
Remarks: Transferring micro voltage, current, EMF, thermocouple, strain gauge, audio, video, high frequency signal, etc.	

Drawing:



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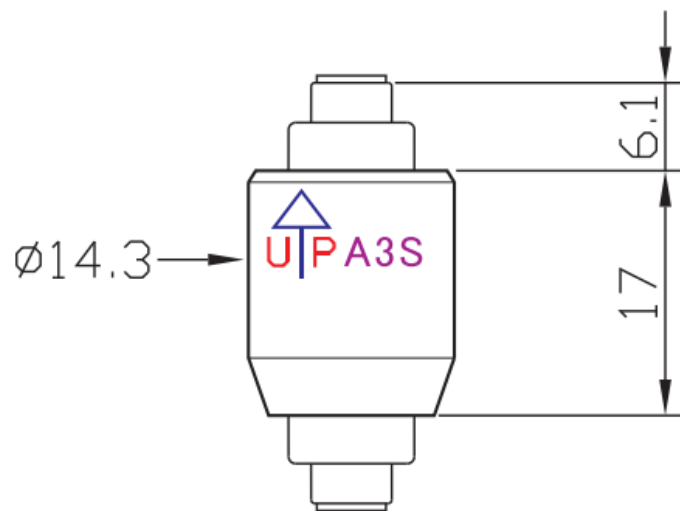
If you have specific customized requirement, please feel free to consult us so that our sales engineer could recommend the most suitable product to you for you reference.

A3S

Specification:

Specification	
Product Model	A3S
Circuits/Current	3 circuits @ 4A
Work Voltage	250VAC/DC
Max Frequency	200MHz
Max Work Speed	1800RPM
Work Temperature	-30 C - +60 C
Insulation Resistance	Greater than 25MΩ
Torque	100gm
Remarks: Transferring micro voltage, current, EMF, thermocouple, strain gauge, audio, video, high frequency signal, etc.	

Drawing:



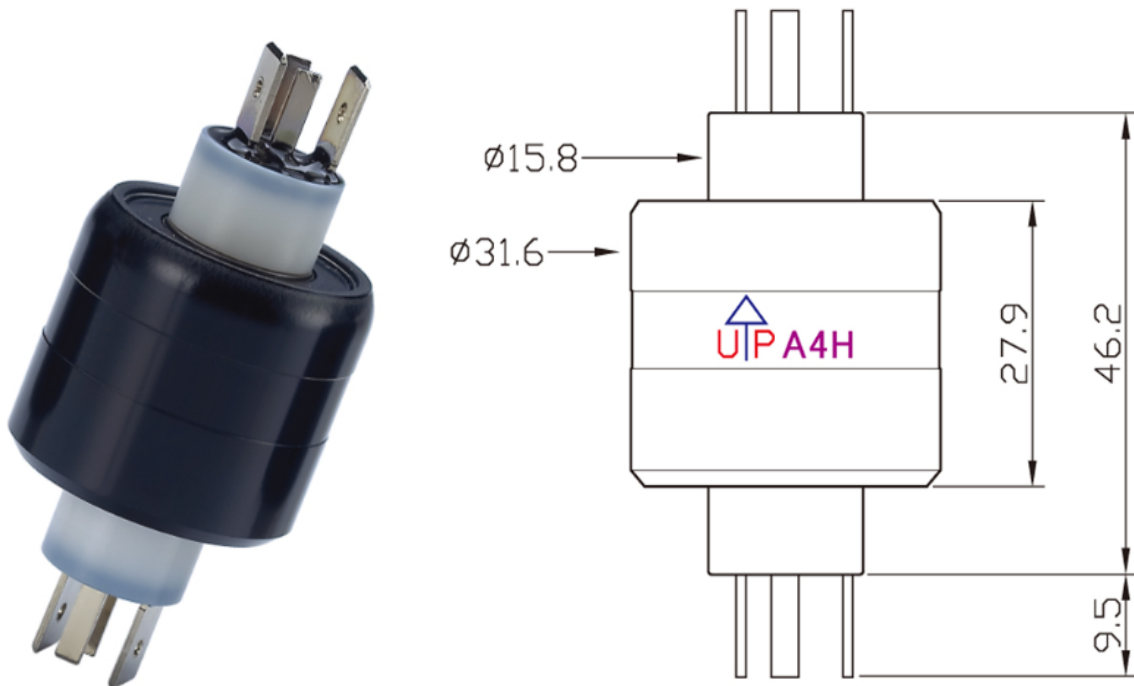
If you have specific customized requirement, please feel free to consult us so that our sales engineer could recommend the most suitable product to you for you reference.

A4H

Specification:

Specification	
Product Model	A4H
Circuits/Current	2 circuits @ 30A; 2 circuits @ 4A
Work Voltage	250VAC/DC
Max Frequency	200MHz
Max Work Speed	1200RPM
Work Temperature	-30 C - +60 C
Torque	400gm
Insulation Resistance	Greater than 25MΩ
Remarks: Transferring micro voltage, current, EMF, thermocouple, strain gauge, audio, video, high frequency signal, etc.	

Drawing:



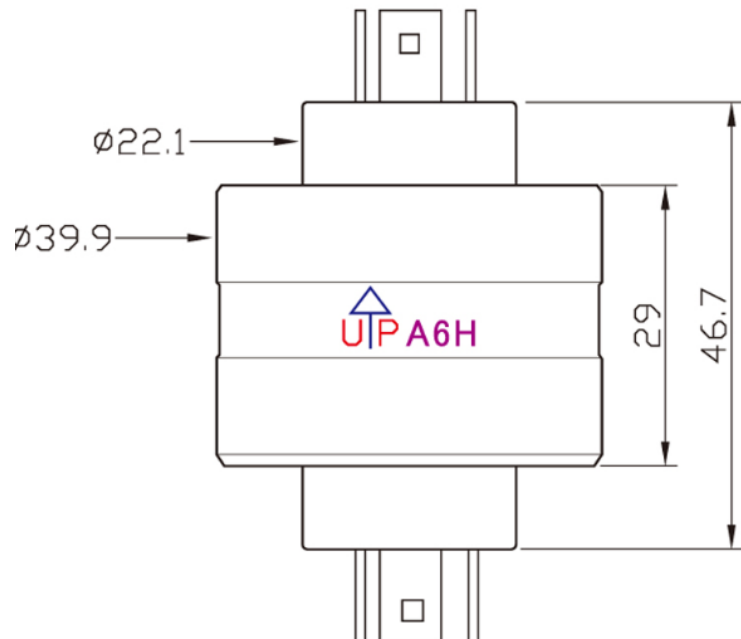
If you have specific customized requirement, please feel free to consult us so that our sales engineer could recommend the most suitable product to you for you reference.

A6H

Specification:

Specification	
Product Model	A6H
Circuits/Current	4 circuits @ 30A; 2 circuits @ 4A
Work Voltage	250VAC/DC
Max Frequency	100MHz
Max Work Speed	300RPM
Work Temperature	-30 C - +60 C
Torque	700gm
Insulation Resistance	Greater than 25MΩ
Remarks: Transferring micro voltage, current, EMF, thermocouple, strain gauge, audio, video, high frequency signal, etc.	

Drawing:



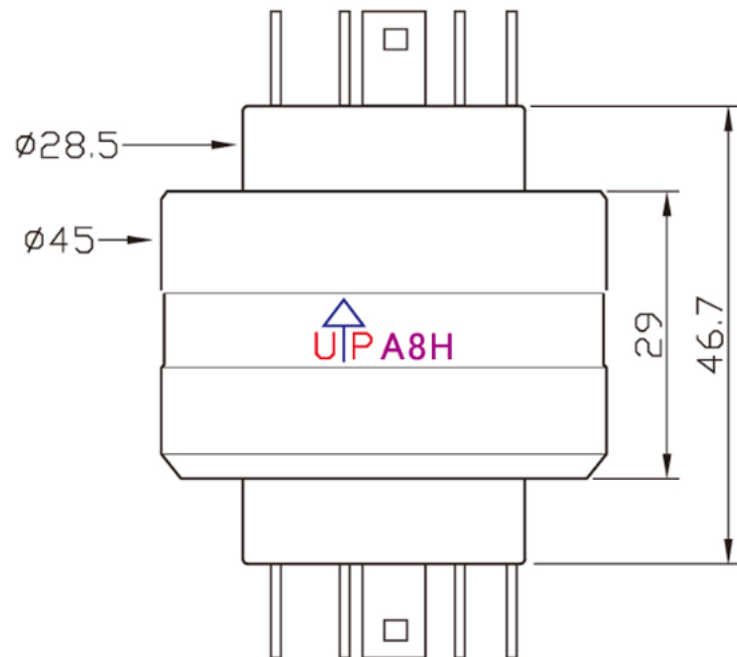
If you have specific customized requirement, please feel free to consult us so that our sales engineer could recommend the most suitable product to you for you reference.

A8H

Specification:

Specification	
Product Model	A8H
Circuits/Current	6 circuits @ 30A; 2 circuits @ 4A
Work Voltage	250VAC/DC
Max Frequency	100MHz
Max Work Speed	200RPM
Work Temperature	-30 C - +60 C
Torque	1000gm
Insulation Resistance	Greater than 25MΩ
Remarks: Transferring micro voltage, current, EMF, thermocouple, strain gauge, audio, video, high frequency signal, etc.	

Drawing:



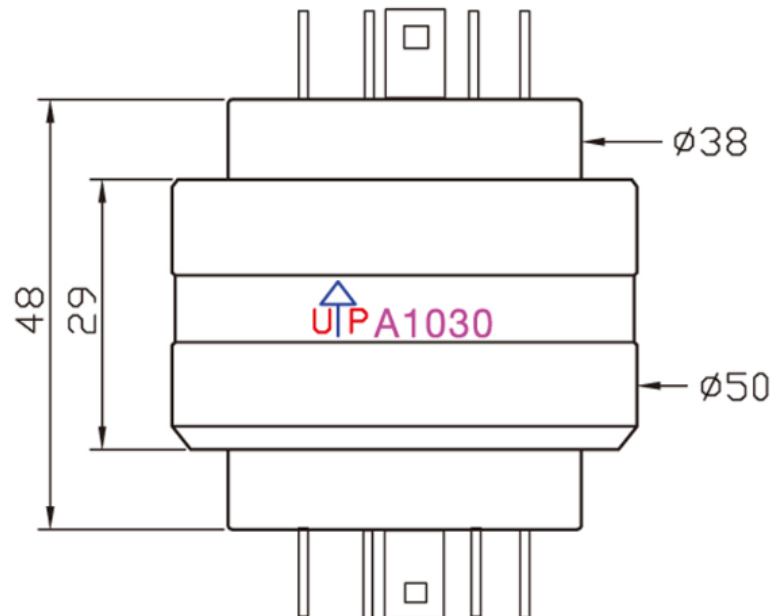
If you have specific customized requirement, please feel free to consult us so that our sales engineer could recommend the most suitable product to you for you reference.

A1030

Specification:

Specification	
Product Model	A1030
Circuits/Current	8 circuits @ 30A; 2 circuits @ 4A
Work Voltage	250VAC/DC
Max Frequency	100MHz
Max Work Speed	100RPM
Work Temperature	-30 C - +60 C
Torque	1500gm
Insulation Resistance	Greater than 25MΩ
Remarks: Transferring micro voltage, current, EMF, thermocouple, strain gauge, audio, video, high frequency signal, etc.	

Drawing:



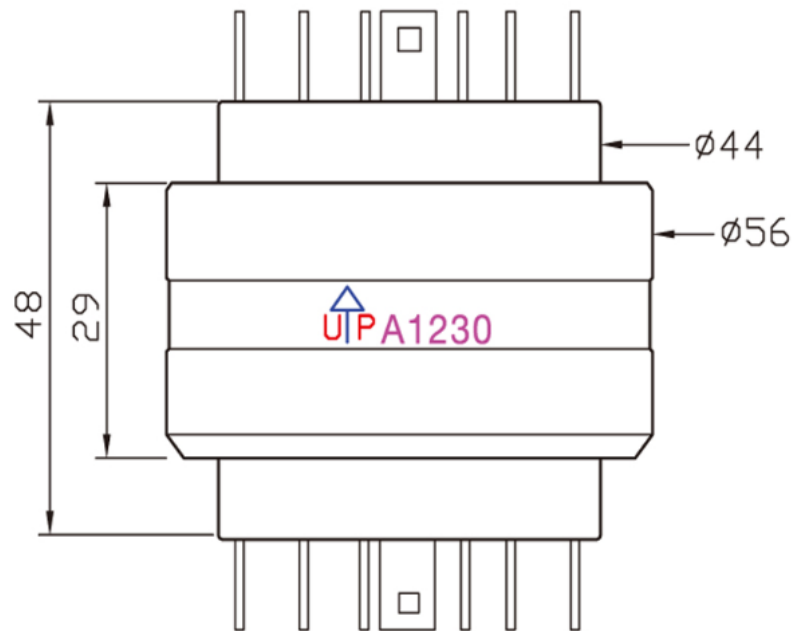
If you have specific customized requirement, please feel free to consult us so that our sales engineer could recommend the most suitable product to you for you reference.

A1230

Specification:

Specification	
Product Model	A1230
Circuits/Current	10 circuits @ 30A; 2 circuits @ 4A
Work Voltage	250VAC/DC
Max Frequency	100MHz
Max Work Speed	60RPM
Work Temperature	-30 C - +60 C
Torque	2000gm
Insulation Resistance	Greater than 25MΩ
Remarks: Transferring micro voltage, current, EMF, thermocouple, strain gauge, audio, video, high frequency signal, etc.	

Drawing:



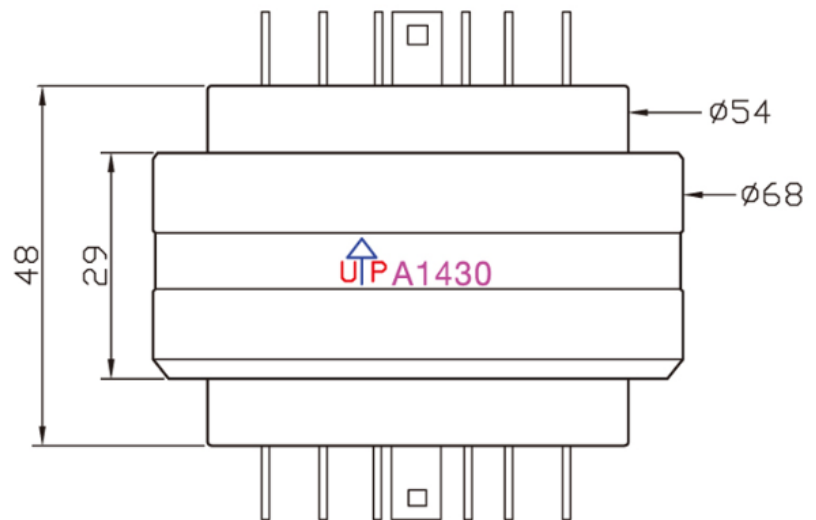
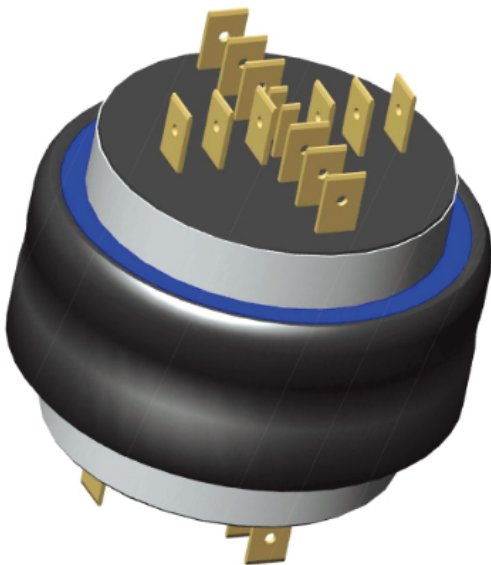
If you have specific customized requirement, please feel free to consult us so that our sales engineer could recommend the most suitable product to you for you reference.

A1430

Specification:

Specification	
Product Model	A1430
Circuits/Current	12 circuits @ 30A; 2 circuits @ 4A
Work Voltage	250VAC/DC
Max Frequency	100MHz
Max Work Speed	60RPM
Work Temperature	-30 C - +60 C
Torque	2000gm
Insulation Resistance	Greater than 25MΩ
Remarks: Transferring micro voltage, current, EMF, thermocouple, strain gauge, audio, video, high frequency signal, etc.	

Drawing:



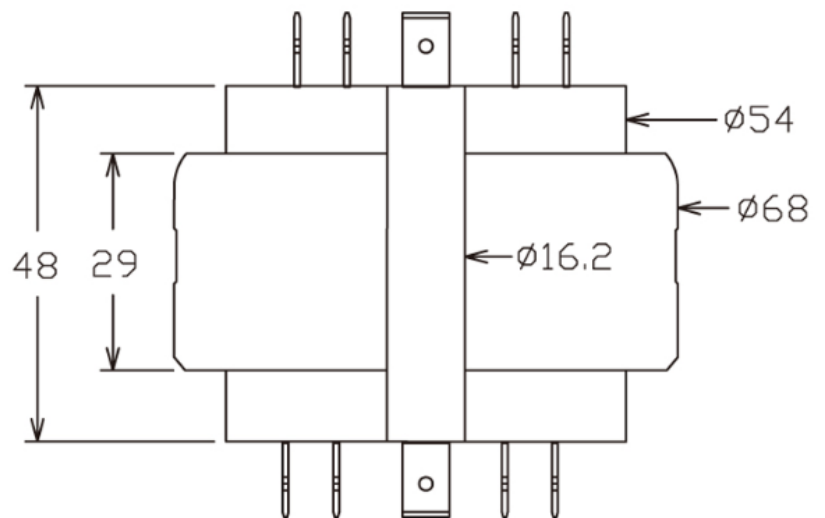
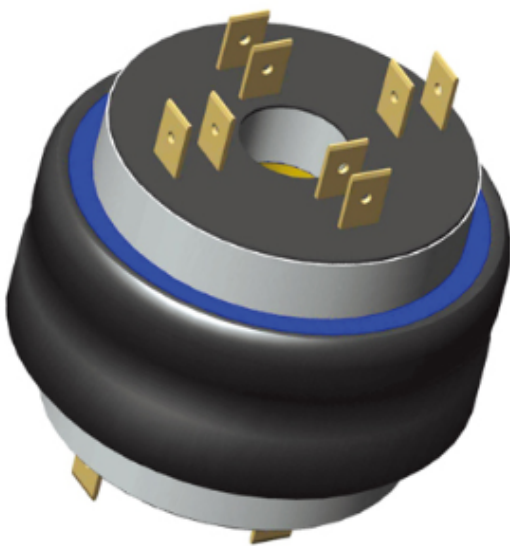
If you have specific customized requirement, please feel free to consult us so that our sales engineer could recommend the most suitable product to you for you reference.

H83016

Specification:

Specification	
Product Model	H83016
Circuits/Current	6 circuits @ 30A
Through Bore Size	16.2mm
Work Voltage	250VAC/DC
Max Frequency	100MHz
Max Work Speed	40RPM
Work Temperature	-30°C -+60°C
Torque	2000gm
Insulation Resistance	Greater than 25M Ω
Remarks: Transferring micro voltage, current, EMF, thermocouple, strain gauge, audio, video, high frequency signal, etc.	

Drawing:



If you have specific customized requirement, please feel free to consult us so that our sales engineer could recommend the most suitable product to you for you reference.

21005W

Specification:

Specification	
Product Model	21005W
Circuits/Current	4 circuits @ 4- 20A; 2 circuits @ 80-150A
Work Voltage	250VAC/DC
Max Frequency	100MHz
Max Work Speed	100RPM
Work Temperature	-30 C - +60 C
Torque	1500gm
Insulation Resistance	Greater than 25MΩ
Remarks: Transferring micro voltage, current, EMF, thermocouple, strain gauge, audio, video, high frequency signal, etc.	

Drawing:



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