



CTW0045 series is inserting large current slip ring without mercury. Except conventional advantages, it has advantages of convenient connection and stronger current-carrying capability. It can replace the conventional mercury slip ring. This series slip ring is especially designed for industrial manufacturing industry, which can fully meet national and EU environmental standards, in line with international environment requirements.

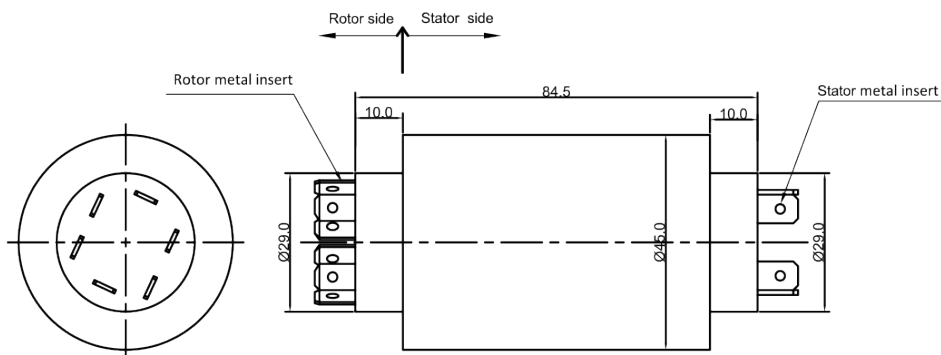
The conducting ring adopts precious metal with plating processing; the electrical brush adopts precious alloy wire; the connector adopts standard flat connector which is convenient for connection.

Technical Data

Modele	Lenght	Circuits	
	mm	8A	20A
CTW0045-04P/02S	84,5	2	4
CTW0045-06P/02S	84,5	2	6

DRAWING

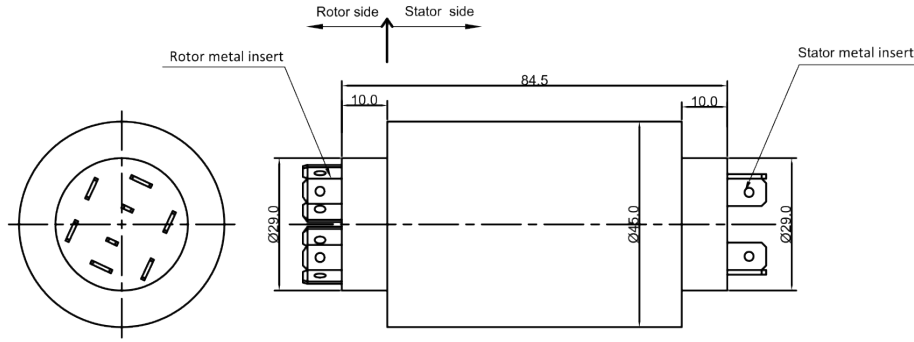
CTW0045-04P/02S



Dimensions in mm

DRAWING

CTW0045-06P/02S



Dimensions in mm

SPECIFICATIONS

ELECTRICAL DATA		
Parameter	Power	Signal
Rated Voltage	0~440VAC/VDC	0~440VAC/VDC
Insulation Strength	≥1000MΩ/500VDC	≥1000MΩ/500VDC
Lead Wires	Exit with pins	
Lead Length	None	
Insulation Strength	500VAC@50Hz, 60s	
Electrical Noise	<0,01Ω	
MECHANICAL DATA		
Parameter	Value	
Working Life	20 million revs	
Rotating Speed	250 RPM	
Working Temperature	-30°C~80°C	
Operating Humidity	0~85% RH	
Contact Material	Gold-plated	
Housing Material	Aluminium Alloy	
Torque	0,1Nm; +0,03Nm/6brings	
Protection Grade	IP51	

PART NUMBER COMPOSITION

CTW **0045S** - **xxP/yyS** - **00000** - **XXXX**

1

2

3

4

5

6

7

8

9

10

1 Inner Dia

2 Outer Dia

3 Quality Level
S = Standard
I = Industrial
H = High level

4 Number of power wires

5 Number of signal wires

6 Flange
00
01
..07

7 Flange Position
O = No Flange
R = Rotor
I = Interior
S = Stator

8 Rotor cable length
0 = 300mm
1 = 600mm
2 = 1200mm

8 Stator cable length
0 = 300mm
1 = 600mm
2 = 1200mm

9 Special Options
01CAN = CanOpen
01ECT= Ethercat
01PRO = Profibus
01ETH = Giga Ethernet
IP65 = IP65
IP68 = IP68

In accordance with our policy of continual product improvement, A2V reserves the right to amend the specification of these products without prior notification