

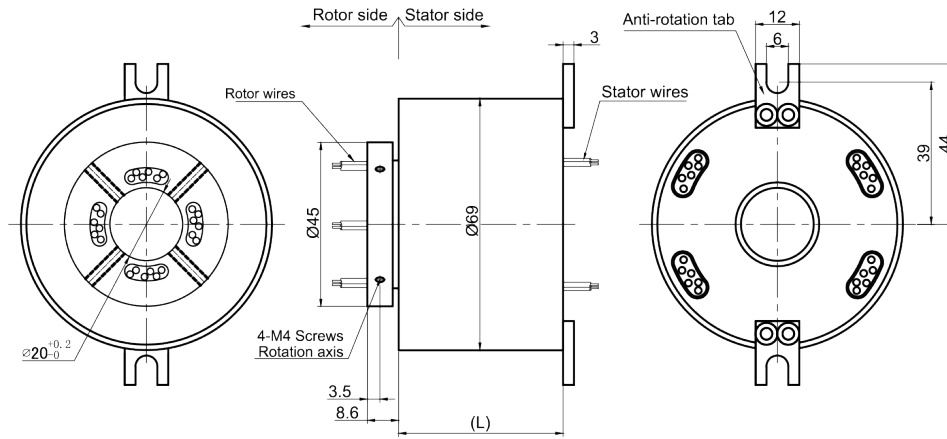
**CTH2069** series provides a 20mm through-bore for routing of hydraulic or pneumatic lines or hydraulic or pneumatic rotating shaft installation, and a compact 69mm outside diameter, features long life, fiber brush contact technology for ultimate performance in many challenging applications.

**CTH2069** series are standard, off-the-shelf products, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections. It can transmit signal (2A), 10A, multiple 10A current when 360° degree free rotating.

## Technical Data

Modele	Lenght mm	Circuits	
		5A	10A
CTH2069-00P/02S	31,6	2	0
CTH2069-02P/00S	31,6	0	2
CTH2069-00P/03S	35	3	0
CTH2069-03P/00S	35	0	3
CTH2069-00P/06S	45,2	6	0
CTH2069-02P/04S	45,2	4	2
CTH2069-04P/02S	45,2	2	4
CTH2069-06P/00S	45,2	0	6
CTH2069-00P/12S	65,6	12	0
CTH2069-02P/10S	65,6	10	2
CTH2069-03P/09S	65,6	9	3
CTH2069-06P/06S	65,6	6	6
CTH2069-08P/04S	65,6	4	8
CTH2069-10P/02S	65,6	2	10
CTH2069-12P/00S	65,6	0	12
CTH2069-00P/18S	86	18	0
CTH2069-02P/16S	86	16	2
CTH2069-04P/14S	86	14	4
CTH2069-06P/12S	86	12	6
CTH2069-08P/10S	86	10	8
CTH2069-10P/08S	86	8	10
CTH2069-12P/06S	86	6	12
CTH2069-14P/04S	86	4	14
CTH2069-16P/02S	86	2	16
CTH2069-00P/24S	106,4	24	0
CTH2069-04P/20S	106,4	20	4
CTH2069-06P/18S	106,4	18	6
CTH2069-12P/12S	106,4	12	12
CTH2069-18P/06S	106,4	6	18
CTH2069-24P/00S	106,4	0	24
CTH2069-00P/30S	126,8	30	0
CTH2069-02P/28S	126,8	28	2
CTH2069-04P/26S	126,8	26	4
CTH2069-06P/24S	126,8	24	6
CTH2069-00P/36S	150,2	36	0
CTH2069-04P/32S	150,2	32	4
CTH2069-06P/30S	150,2	30	6
CTH2069-00P/42S	170,6	42	0
CTH2069-04P/38S	193,2	38	4
CTH2069-00P/48S	193,2	48	0

# DRAWING



Dimensions in mm

## LEAD WIRES COLOR CODE

Ring	1	2	3	4	5	6	7	8	9	10	11	12
Color	BLK	RED	YEL	GRN	BLU	WHT	BLK	RED	YEL	GRN	BLU	WHT

# SPECIFICATIONS

## ELECTRICAL DATA

Parameter	Power	Signal
Rated Voltage	0~440VAC/VDC	0~440VAC/VDC
Insulation Resistance	≥1000MΩ/500VDC	≥1000MΩ/500VDC
Lead Wires	AWG17#Teflon	AWG22#Teflon
Lead Length	Standard 300mm (adjustable)	
Insulation Strength	800VAC@50Hz, 60s	
Electrical Noise	<0,01Ω	

## MECHANICAL DATA

Parameter	Value
Working Life	See Product Quality Level Table
Rotating Speed	See Product Quality Level Table
Working Temperature	-30°C~80°C
Operating Humidity	0~85% RH
Contact Material	See Product Quality Level Table
Housing Material	Aluminium Alloy
Torque	0,1Nm; +0,03Nm/Grings
Protection Grade	IP51

## PRODUCT QUALITY LEVEL TABLE

Products Level Code	Max Rotating Speed	Working Life	Contact Material
S	250RPM	20 Million Revs	Precious Metal
I	600RPM	80 Million Revs	Gold-Plated
H	1000RPM	150 Million Revs	Gold-Gold

# PART NUMBER COMPOSITION

**CTH 2069S - xxP/yyS - 00000 - XXXXX**

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  
X = Custom
- ⑨ Stator cable length  
0 = 300mm  
1 = 600mm  
2 = 1200mm  
X = Custom

- ⑩ 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