



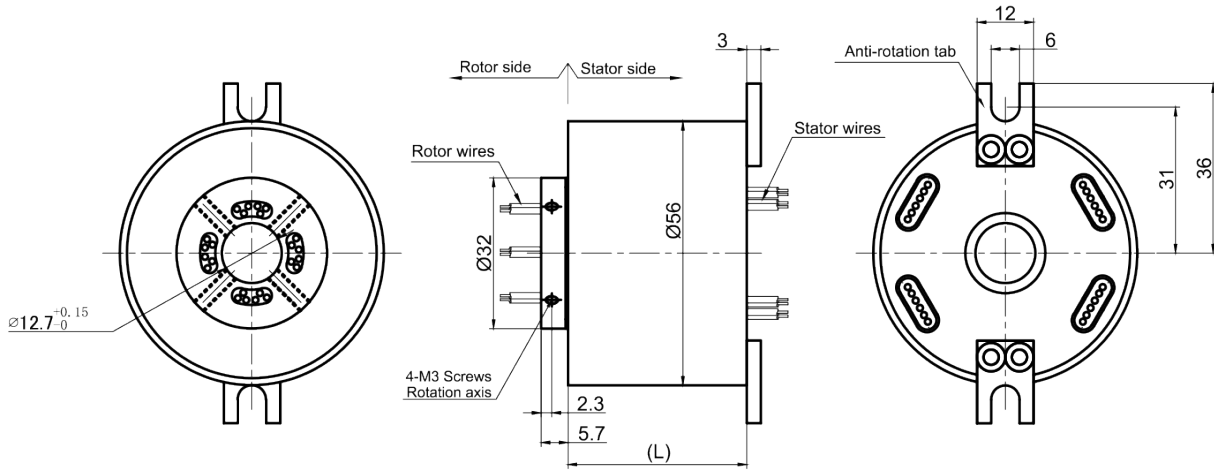
CTH1256 series provides a 12.7mm through-bore for routing of hydraulic or pneumatic lines or hydraulic or pneumatic rotating shaft installation, and a compact 56mm outside diameter, features long life, fiber brush contact technology for ultimate performance in many-challenging applications.

CTH1256 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	Circuits		Lead Length
	mm	10A	5A	mm
CTH1256S-00P/02S	26,8	0	2	300
CTH1256S-02P/00S	26,8	2	0	300
CTH1256S-00P/03S	29,6	0	3	300
CTH1256S-03P/00S	29,6	3	0	300
CTH1256S-00P/06S	38	0	6	300
CTH1256S-02P/04S	38	2	4	300
CTH1256S-04P/02S	38	4	2	300
CTH1256S-06P/00S	38	6	0	300
CTH1256S-00P/12S	54,8	0	12	300
CTH1256S-02P/10S	54,8	2	10	300
CTH1256S-03P/09S	54,8	3	9	300
CTH1256S-06P/06S	54,8	6	6	300
CTH1256S-08P/04S	54,8	8	4	300
CTH1256S-10P/02S	54,8	10	2	300
CTH1256S-12P/00S	54,8	12	0	300
CTH1256S-00P/18S	71,5	0	18	300
CTH1256S-02P/16S	71,5	2	16	300
CTH1256S-04P/14S	71,5	4	14	300
CTH1256S-06P/12S	71,5	6	12	300
CTH1256S-08P/10S	71,5	8	10	300
CTH1256S-10P/08S	71,5	10	8	300
CTH1256S-12P/06S	71,5	12	6	300
CTH1256S-00P/24S	88,4	0	24	300
CTH1256S-04P/20S	88,4	4	20	300
CTH1256S-06P/18S	88,4	6	18	300
CTH1256S-00P/30S	105,2	0	30	300
CTH1256S-02P/28S	105,2	2	28	300
CTH1256S-04P/26S	105,2	4	26	300
CTH1256S-00P/36S	125	0	36	300
CTH1256S-04P/32S	125	4	32	300
CTH1256S-00P/42S	141,8	0	42	300
CTH1256S-00P/48S	158,6	0	48	300

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	$\geq 1000\text{M}\Omega / 500\text{VDC}$	$\geq 1000\text{M}\Omega / 500\text{VDC}$
Lead Wires	AWG17#Teflon	AWG22#Teflon
Lead Length	Standard 300mm (adjustable)	
Insulation Strength	800VAC@50Hz, 60s	
Electrical Noise	<0,01 Ω	

MECHANICAL DATA

Parameter	Power	Signal
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/6rings	
Protection Grade	IP51	

PRODUCT QUALITY LEVEL TABLE

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

PART NUMBER COMPOSITION

CTH 1256S - 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
0 = 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