



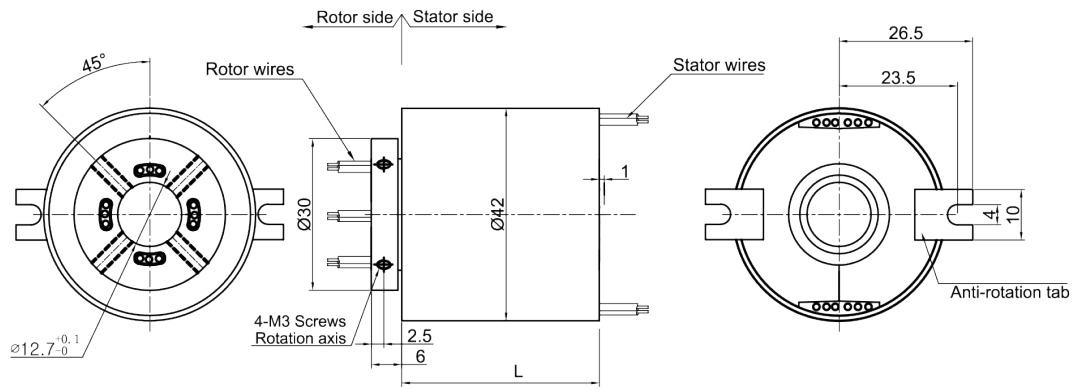
CTH1242 series provides a 12.7mm through-bore for routing of hydraulic or pneumatic lines or hydraulic or pneumatic rotating shaft installation, and a compact 42mm outside diameter, features long life, fiber brush contact technology for ultimate performance in many-challenging applications.

CTH1242 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), 5A current when 360° degree free rotating.

Technical Data

Modele	Lenght	Circuits
	mm	5A
CTH1242-00P/02S	25,4	2
CTH1242-00P/03S	25,4	3
CTH1242-00P/04S	25,4	4
CTH1242-00P/06S	25,4	6
CTH1242-00P/08S	39,2	8
CTH1242-00P/10S	39,2	10
CTH1242-00P/12S	39,2	12

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	0~240VAC/VDC	0~240VAC/VDC
Insulation Resistance	≥500MΩ/500VDC	≥500MΩ/500VDC
Lead Wires	AWG17,AWG22#Teflon	AWG22#Teflon
Lead Length	Standard 300mm (adjustable)	
Insulation Strength	500VAC@50Hz, 60s	
Electrical Noise	<0,01Ω	

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	PBT	
Torque	0,1Nm; +0,03Nm/6rings	
Protection Grade	IP51	

PRODUCT QUALITY LEVEL TABLE			
Products Level Code	Max Rotating Speed	Working Life	Contact Material
S	400 RPM	30 Million Revs	Precious Metal
I	1200 RPM	80 Million Revs	Gold-Gold

PART NUMBER COMPOSITION

GTH 1242S - xxP/yyS - 0000 - 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
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