



CTH1286 series provides a 12.7mm through-bore for routing of hydraulic or pneumatic lines or hydraulic or pneumatic rotating shaft installation, and a compact 86mm outside diameter, features long life, fiber brush contact technology for ultimate performance in many-challenging applications.

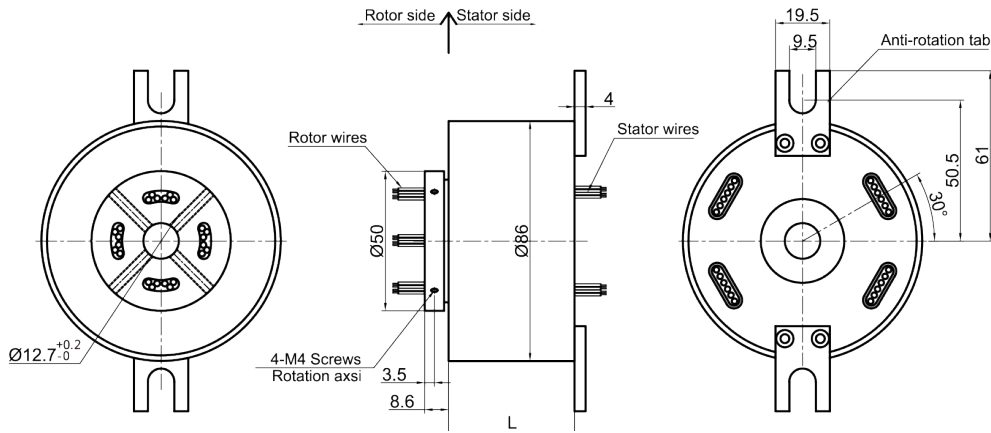
CTH1286 series are standard, off-the-shelf products, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections. It can transmit signal (2A), 10A, multiple 10A current when 360° degree free rotating.

Technical Data

Modele	Lenght mm	Circuits	
		5A	10A
CTH1286-00P/02S	31,6	2	0
CTH1286-02P/00S	31,6	0	2
CTH1286-00P/03S	35	3	0
CTH1286-03P/00S	35	0	3
CTH1286-00P/06S	45,2	6	0
CTH1286-02P/04S	45,2	4	2
CTH1286-04P/02S	45,2	2	4
CTH1286-06P/00S	45,2	0	6
CTH1286-00P/12S	65,6	12	0
CTH1286-02P/10S	65,6	10	2
CTH1286-03P/09S	65,6	9	3
CTH1286-06P/06S	65,6	6	6
CTH1286-08P/04S	65,6	4	8
CTH1286-10P/02S	65,6	2	10
CTH1286-12P/00S	65,6	0	12
CTH1286-00P/18S	86	18	0
CTH1286-02P/16S	86	16	2
CTH1286-04P/14S	86	14	4
CTH1286-06P/12S	86	12	6
CTH1286-08P/10S	86	10	8
CTH1286-10P/08S	86	8	10
CTH1286-12P/06S	86	6	12
CTH1286-14P/04S	86	4	14
CTH1286-16P/02S	86	2	16
CTH1286-00P/24S	106,4	24	0
CTH1286-04P/20S	106,4	20	4
CTH1286-06P/18S	106,4	18	6
CTH1286-12P/12S	106,4	12	12
CTH1286-18P/06S	106,4	6	18
CTH1286-24P/00S	106,4	0	24
CTH1286-00P/30S	126,8	30	0
CTH1286-06P/24S	126,8	24	6
CTH1286-12P/18S	126,8	18	12

Modele	Lenght mm	Circuits	
		5A	10A
CTH1286-18P/12S	126,8	12	18
CTH1286-24P/06S	126,8	6	24
CTH1286-30P/00S	126,8	0	30
CTH1286-00P/36S	150,2	36	0
CTH1286-06P/30S	150,2	30	6
CTH1286-12P/24S	150,2	24	12
CTH1286-36P/00S	150,2	0	36
CTH1286-00P/42S	170,6	42	0
CTH1286-06P/36S	170,6	36	6
CTH1286-12P/30S	170,6	30	12
CTH1286-42P/00S	170,6	0	42
CTH1286-00P/48S	191	48	0
CTH1286-06P/42S	191	42	6
CTH1286-12P/36S	191	36	12
CTH1286-18P/30S	191	30	18
CTH1286-24P/24S	191	24	24
CTH1286-48P/00S	191	0	48
CTH1286-00P/60S	231,8	60	0
CTH1286-06P/54S	231,8	54	6
CTH1286-09P/51S	231,8	51	9
CTH1286-12P/48S	231,8	48	12
CTH1286-24P/36S	231,8	36	24
CTH1286-00P/72S	231,8	72	0
CTH1286-12P/60S	231,8	60	12
CTH1286-24P/48S	231,8	48	24
CTH1286-36P/36S	231,8	36	36
CTH1286-00P/84S	316,4	84	0
CTH1286-12P/72S	316,4	72	12
CTH1286-24P/60S	316,4	60	24
CTH1286-36P/48S	316,4	48	36
CTH1286-00P/96S	357,2	96	0
CTH1286-12P/84S	357,2	84	12
CTH1286-24P/72S	357,2	72	24

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	0~690VAC/VDC	0~440VAC/VDC
Insulation Resistance	≥1000MΩ/500VDC	≥1000MΩ/500VDC
Lead Wires	AWG16#Teflon	AWG22#Teflon
Lead Length	Standard 300mm (adjustable)	
Insulation Strength	1000VAC@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	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 1286S - xxP/yyS - 00000 - XXXXX



- 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