



CTH50130 series provides a 50mm through-bore for routing of hydraulic or pneumatic lines or hydraulic or pneumatic rotating shaft installation, and a compact 130mm outside diameter, features long life, fiber brush contact technology for ultimate performance in many-challenging applications.

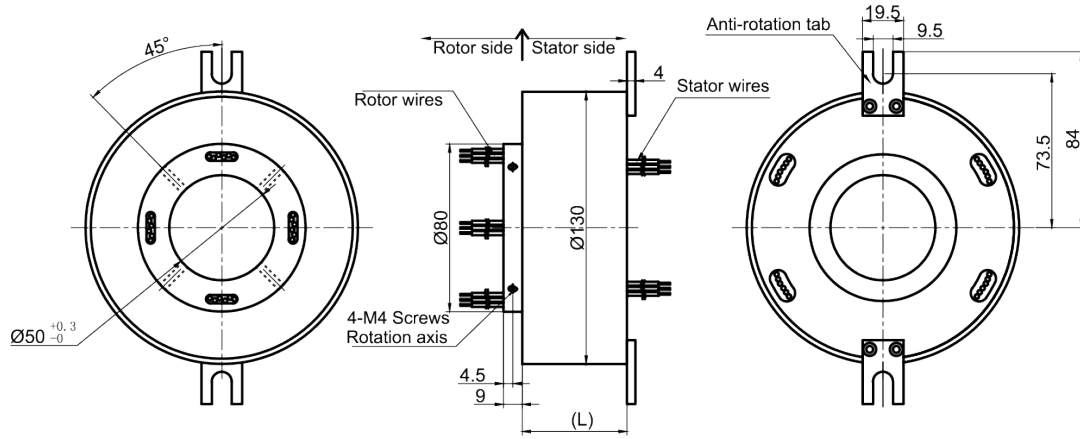
CTH50130 series are standard, off-the-shelf products, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections. It can transmit signal[2A], 10A, multiple 10A current when 360° degree free rotating.

Technical Data

Modele	Lenght mm	Circuits	
		5A	10A
CTH50130-00P/02S	35,6	2	0
CTH50130-02P/00S	35,6	0	2
CTH50130-00P/03S	39,2	3	0
CTH50130-03P/00S	39,2	0	3
CTH50130-00P/06S	50	6	0
CTH50130-02P/04S	50	4	2
CTH50130-04P/02S	50	2	4
CTH50130-06P/00S	50	0	6
CTH50130-00P/12S	71,6	12	0
CTH50130-02P/10S	71,6	10	2
CTH50130-03P/09S	71,6	9	3
CTH50130-06P/06S	71,6	6	6
CTH50130-08P/04S	71,6	4	8
CTH50130-10P/02S	71,6	2	10
CTH50130-12P/00S	71,6	0	12
CTH50130-00P/18S	93,2	18	0
CTH50130-02P/16S	93,2	16	2
CTH50130-04P/14S	93,2	14	4
CTH50130-06P/12S	93,2	12	6
CTH50130-08P/10S	93,2	10	8
CTH50130-10P/08S	93,2	8	10
CTH50130-12P/06S	93,2	6	12
CTH50130-14P/04S	93,2	4	14
CTH50130-16P/02S	93,2	2	16
CTH50130-00P/24S	114,8	24	0
CTH50130-04P/20S	114,8	20	4
CTH50130-06P/18S	114,8	18	6
CTH50130-12P/12S	114,8	12	12
CTH50130-18P/06S	114,8	6	18
CTH50130-24P/00S	114,8	0	24
CTH50130-00P/30S	136,4	30	0
CTH50130-06P/24S	136,4	24	6
CTH50130-12P/18S	136,4	18	12
CTH50130-18P/12S	136,4	12	18
CTH50130-24P/06S	136,4	6	24
CTH50130-30P/00S	136,4	0	30
CTH50130-00P/36S	162	36	0
CTH50130-06P/30S	162	30	6
CTH50130-12P/24S	162	24	12
CTH50130-36P/00S	162	0	36
CTH50130-00P/42S	186,2	42	0
CTH50130-06P/36S	186,2	36	6
CTH50130-12P/30S	186,2	30	12

Modele	Lenght mm	Circuits	
		5A	10A
CTH50130-00P/48S	207,8	48	0
CTH50130-06P/42S	207,8	42	6
CTH50130-09P/39S	207,8	39	9
CTH50130-12P/36S	207,8	36	12
CTH50130-18P/30S	207,8	30	18
CTH50130-24P/24S	207,8	24	24
CTH50130-00P/60S	251	60	0
CTH50130-06P/54S	251	54	6
CTH50130-09P/51S	251	51	9
CTH50130-12P/48S	251	48	12
CTH50130-00P/72S	298,2	72	0
CTH50130-06P/66S	298,2	66	6
CTH50130-12P/60S	298,2	60	12
CTH50130-24P/48S	298,2	48	24
CTH50130-36P/36S	298,2	36	36
CTH50130-00P/84S	341,4	84	0
CTH50130-12P/72S	341,4	72	12
CTH50130-24P/60S	341,4	60	24
CTH50130-36P/48S	341,4	48	36
CTH50130-00P/96S	384,6	96	0
CTH50130-12P/84S	384,6	84	12
CTH50130-24P/72S	384,6	72	24
CTH50130-36P/60S	384,6	60	36
CTH50130-42P/54S	384,6	54	42
CTH50130-00P/108S	431,8	108	0
CTH50130-12P/96S	431,8	96	12
CTH50130-24P/84S	431,8	84	24
CTH50130-36P/72S	431,8	72	36
CTH50130-00P/120S	475	120	0
CTH50130-12P/108S	475	108	12
CTH50130-24P/96S	475	96	24
CTH50130-36P/84S	475	84	36
CTH50130-48P/72S	475	72	48
CTH50130-00P/132S	518,2	132	0
CTH50130-12P/120S	518,2	120	12
CTH50130-24P/108S	518,2	108	24
CTH50130-36P/96S	518,2	96	36
CTH50130-48P/84S	518,2	84	48
CTH50130-00P/144S	561,4	144	0
CTH50130-12P/132S	561,4	132	12
CTH50130-24P/120S	561,4	120	24
CTH50130-36P/108S	561,4	108	36
CTH50130-48P/96S	561,4	96	48

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	$\geq 1000\text{M}\Omega / 500\text{VDC}$	$\geq 1000\text{M}\Omega / 500\text{VDC}$
Lead Wires	AWG16#Teflon	AWG22#Teflon
Lead Length	Standard 300mm (adjustable)	
Insulation Strength	1000VAC@50Hz, 60s	
Electrical Noise	<0,01Q	

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/6rings
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 50130S - xxP/yyS - 00000 - XXXXX

1

- 1 Inner Dia
2 Outer Dia
3 Quality Level
S = Standard
I = Industrial
H = High level

2

- 4 Number of power wires
5 Number of signal wires

3

- 6 Flange
00
01
..07

4

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

5

6

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

7

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

8

10

- 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