

CTH180298 series provides a 180mm through-bore for routing of hydraulic or pneumatic lines or hydraulic or pneumatic rotating shaft installation, and a compact 298mm outside diameter, features long life, fiber brush contact technology for ultimate performance in many challenging applications.

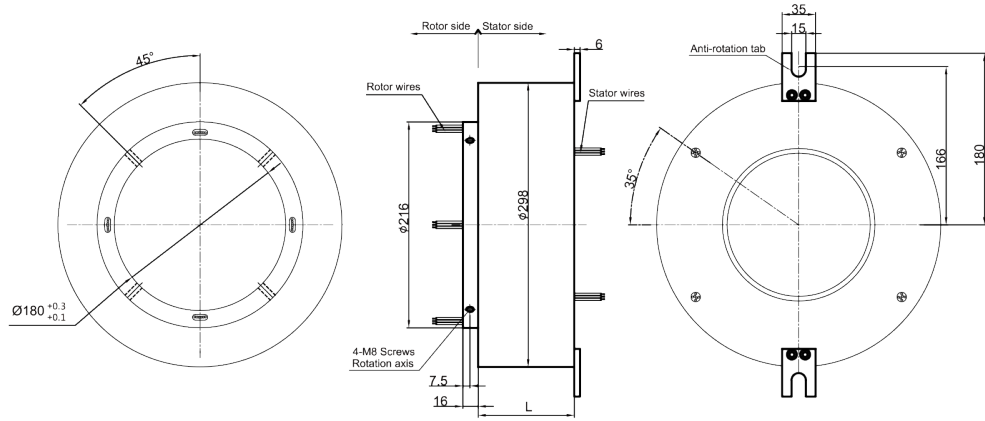
CTH180298 series are standard, off-the-shelf products, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections. It can transmit signal [2A], 10A, multiple 10A current when 360° degree free rotating.

Technical Data

Modele	Lenght	Circuits	
	mm	5A	10A
CTH180298-00P/02S	77	2	0
CTH180298-02P/00S	77	0	2
CTH180298-00P/03S	83	3	0
CTH180298-03P/00S	83	0	3
CTH180298-00P/06S	101	6	0
CTH180298-02P/04S	101	4	2
CTH180298-04P/02S	101	2	4
CTH180298-06P/00S	101	0	6
CTH180298-00P/12S	137	12	0
CTH180298-02P/10S	137	10	2
CTH180298-03P/09S	137	9	3
CTH180298-06P/06S	137	6	6
CTH180298-08P/04S	137	4	8
CTH180298-10P/02S	137	2	10
CTH180298-12P/00S	137	0	12
CTH180298-00P/18S	173	18	0
CTH180298-02P/16S	173	16	2
CTH180298-04P/14S	173	14	4
CTH180298-06P/12S	173	12	6
CTH180298-08P/10S	173	10	8
CTH180298-10P/08S	173	8	10
CTH180298-12P/06S	173	6	12
CTH180298-14P/04S	173	4	14
CTH180298-16P/02S	173	2	16
CTH180298-00P/24S	209	24	0
CTH180298-04P/20S	209	20	4
CTH180298-06P/18S	209	18	6
CTH180298-12P/12S	209	12	12
CTH180298-18P/06S	209	6	18
CTH180298-24P/00S	209	0	24
CTH180298-00P/30S	245	30	0
CTH180298-06P/24S	245	24	6
CTH180298-12P/18S	245	18	12
CTH180298-18P/12S	245	12	18
CTH180298-24P/06S	245	6	24
CTH180298-30P/00S	245	0	30

Modele	Lenght	Circuits	
	mm	5A	10A
CTH180298-00P/36S	287	36	0
CTH180298-06P/30S	287	30	6
CTH180298-12P/24S	287	24	12
CTH180298-36P/00S	287	0	36
CTH180298-00P/42S	323	42	0
CTH180298-06P/36S	323	36	6
CTH180298-12P/30S	323	30	12
CTH180298-00P/48S	359	48	0
CTH180298-06P/42S	359	42	6
CTH180298-09P/39S	359	39	9
CTH180298-12P/36S	359	36	12
CTH180298-18P/30S	359	30	18
CTH180298-24P/24S	359	24	24
CTH180298-00P/60S	431	60	0
CTH180298-06P/54S	431	54	6
CTH180298-09P/51S	431	51	9
CTH180298-12P/48S	431	48	12
CTH180298-00P/72S	509	72	0
CTH180298-06P/66S	509	66	6
CTH180298-12P/60S	509	60	12
CTH180298-24P/48S	509	48	24
CTH180298-36P/36S	509	36	36
CTH180298-00P/84S	581	84	0
CTH180298-12P/72S	581	72	12
CTH180298-24P/60S	581	60	24
CTH180298-36P/48S	581	48	36
CTH180298-00P/96S	653	96	0
CTH180298-12P/84S	653	84	12
CTH180298-24P/72S	653	72	24
CTH180298-36P/60S	653	60	36
CTH180298-42P/54S	653	54	42
CTH180298-00P/108S	731	108	0
CTH180298-12P/96S	731	96	12
CTH180298-24P/84S	731	84	24
CTH180298-36P/72S	731	72	36
CTH180298-48P/60S	731	60	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	≥1000MΩ/500VDC	≥1000MΩ/500VDC
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	150RPM	10 Million Revs	Precious Metal
I	250RPM	20 Million Revs	Gold-plated

PART NUMBER COMPOSITION

CTH 180298S - 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