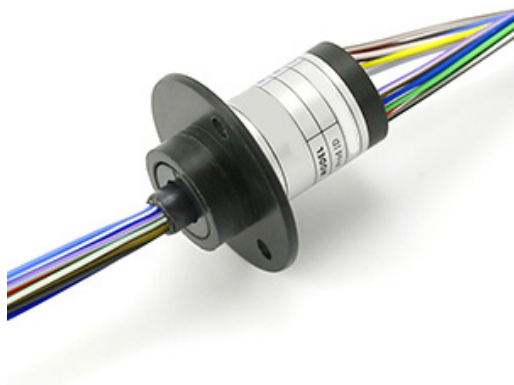




CTC022-18S slip rings are small and compact with OD 22mm * L 33mm, with capsule style, standard, off-the- shelf. Color-coded lead wires are used on both the stator and rotor for simplified electrical connections. Using a 90° V-groove ring design for each ring.

CTC022-18I is the high-end version corresponding to CTC022-18S, It has higher performance and longer working life, higher speed rotating speed, low noise.

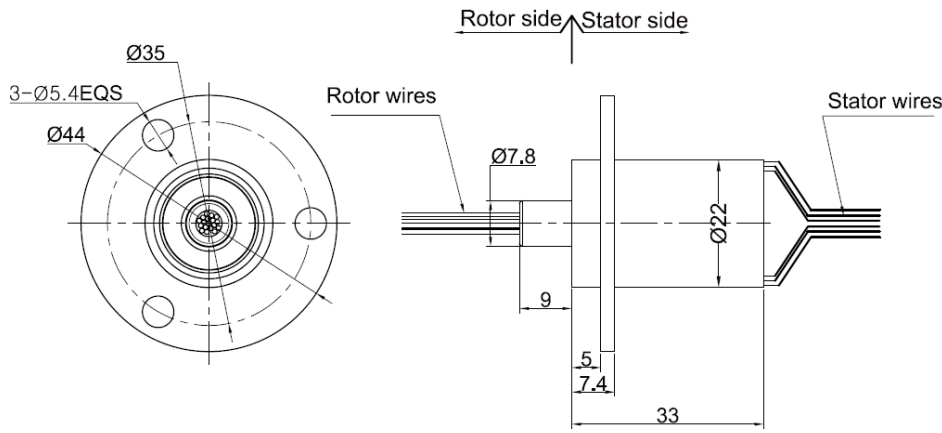
Options for custom slip

- CTC022-18I is the high-end version corresponding to CTC022-18S
- Optional flange mounting.
- Specified connectors and Heat-shrink tube.
- Longer lead lengths available.
- High temperature is optional.
- Military Grade.

Technical Data

Modele	Lenght	OD	Circuits				
	mm	mm	2A/Signals	4A	8A	15A	Total Wires
CTC022S-00P/18S	33	22	18	0	0	0	18
CTC022S-06P/06S	33	22	6	6	0	0	12
CTC022S-03P/06S	33	22	6	0	3	0	9
CTC022S-04P/02S	33	22	2	0	4	0	6
CTC022S-02P/00S	33	22	0	0	0	2	2

DRAWING



Dimensions in mm

LEAD WIRES COLOR CODE												
Ring	1	2	3	4	5	6	7	8	9	10	11	12
Color	RED	GRN	YEL	VLТ	GRY	BLK	BLU	D8	BRN	ORA	WHT	KHA
Ring	13	14	15	16	17	18						
Color	WHT RED	WHT BLK	WHT BLU	WHT VLT	WHT BRN	WHT GRN						

SPECIFICATIONS

ELECTRICAL DATA					
Parameter	Power	Signal			
Rated Voltage	0~220VAC/VDC	0~120VAC/VDC			
Insulation Resistance	≥100MΩ/220VDC	≥100MΩ/150VDC			
Lead Wires	AWG28#Teflon	AWG28#Teflon			
Lead Lenght	Standard 300mm (adjustable)				
Insulation Strength	500VAC@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	See Product Quality Level Table				
Torque	0,05Nm; +0,01Nm/6rings				
Protection Grade	IP51				
PRODUCT QUALITY LEVEL TABLE					
Products Level Code	Max Rotating Speed	Working Life	Torque	Housing Material	Electrical Noise①@10RPM
S	250RPM	>5 Million Revs	0,02 Nm	Plastics	10mΩ
I	1000RPM	>20 Million Revs	0,005 Nm	Metal	4mΩ

PART NUMBER COMPOSITION

CTC 022S - xxP/yyS - 00000 - XXXXX

- 1

2

3

4

5

6

7

8

9
- ① Inner Dia

② Quality Level
S = Standard
I = Industrial

③ Number of power wires

④ Number of signal wires

⑤ Flange
00
01
..07

⑥ Flange Position
0 = No Flange
R = Rotor
I = Interior
S = Stator

⑦ Rotor cable length
0 = 300mm
1 = 600mm
2 = 1200mm
X = Custom

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

⑨ 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