



**CTC022-36S** slip rings are small and compact with OD 22mm \* L 57.3mm, 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.

CTC022I is the high-end version corresponding to CTC022S, It has higher performance and longer working life, higher speed rotating speed, low noise.

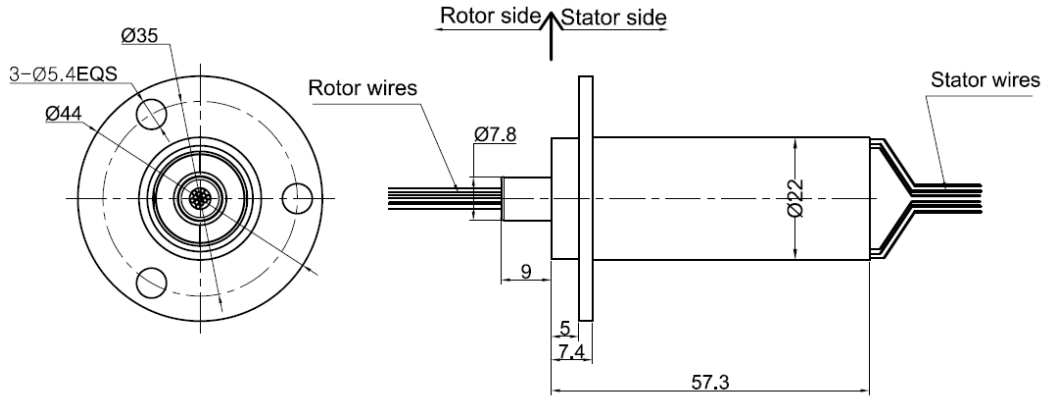
## Options for custom slip

- CTC022I is the high-end version corresponding to CTC022S.
- 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/36S	57,3	22	36	0	0	0	36

# DRAWING



Dimensions in mm

LEAD WIRES COLOR CODE												
Ring	1/2	3/4	5/6	7/8	9/10	11/12	13/14	15/16	17/18	19/20	21/22	23/24
Color	RED	GRN	YEL	VLT	GRA	BLK	BLU	DB	BRN	ORN	WHT	KHA
Ring	25/26	27/28	29/30	31/32	33/34	35/36						
Color	WHT RED	WHT BLK	WHT BLU	WHT VLT	WHT GRA	WHT GRN						

# SPECIFICATIONS

ELECTRICAL DATA		
Parameter	Power	Signal
Rated Voltage	0~220VAC/VDC	0~120VAC/VDC
Insulation Resistance	$\geq 100M\Omega / 240VDC$	$\geq 100M\Omega / 240VDC$
Lead Wires	AWG28#Teflon	AWG28#Teflon
Lead Length	Standard 300mm (adjustable)	
Insulation Strength	500VAC@50Hz, 60s	
Electrical Noise	<0,01 $\Omega$	

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	10m $\Omega$
I	1000RPM	>20 Million Revs	0,005 Nm	Metal	4m $\Omega$

# 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  
O = 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