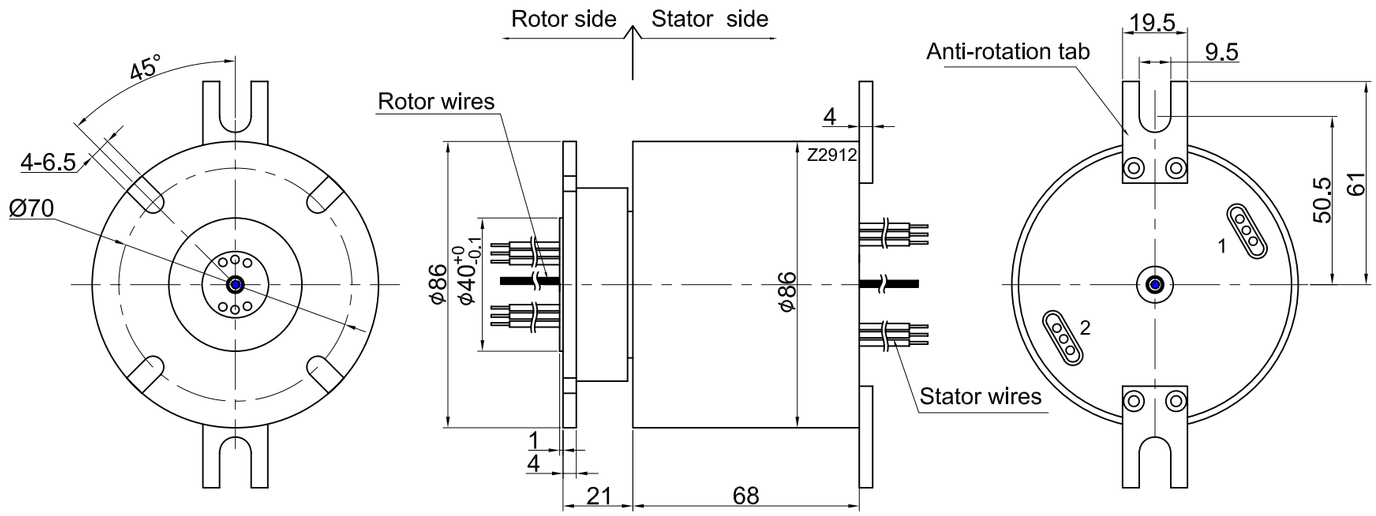
THIS DOCUMENT IS THE PROPERTY OF MOFLON TECHNOLOGY (SHENZHEN) LTD. (HEREAFTER "MOFLON"). IT IS LENT AND IS TO BE RETURNED UPON REQUEST. THE CONTENTS OF THIS DOCUMENT ARE CONFIDENTIAL AND CONSTITUTE TRADE SECRETS PROPRIETARY TO MOFLON.THIS DOCUMENT NOR ITS CONTENTS DOCUMENT NOR ITS CONTENTS SHALL BE DISCLOSED TO ANY UNAUTHORIZED PERSON COPIED OR PUBLISHED WITHOUT MOFLON PRIOR WRITTEN CONSENT.
COPY RIGHT @ 2017 MOFLON TECHNOLOGY

| MARK | ECN NO. | Modify | Approve | DATE |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |




## Electrical Specification

| | | | | | |
|---|---|---|---|---|---|
| 1 | Rings | 6 | 2 | Current | Power module: 6rings, 5A/ring |
| 3 | Voltage | 0-800VDC/VAC | | | |
| 4 | Insulation Recistance | 500MΩ@1600VDC | | | |
| 5 | Electrical noise | Max.10mΩ; | | | |
| 6 | Dielectric strength | 1000VAC@50Hz;60 | | | |

## Mecchanical Specification

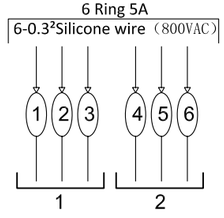
| | | | | | |
|---|---|---|---|---|---|
| 7 | Speed | 0~250RPM; | 8 | Torque | Max.0.2 N.M; |
| 9 | Life Typical: | 60million revolutions, but strongly depends on your working conditions | | | |

## Environmental adaptability

| | | | | | |
|---|---|---|---|---|---|
| 10 | Working temperature | -30℃~+80℃ | 11 | Storage temperature | -35℃~+85℃ |
| 12 | humidity | 85±3%(30℃+5℃) | | | |
| 14 | Rush | 40g,11ms,Half sine wave, Vertical direction 3 times,Level 3times | | | |
| 15 | IP Class | IP51 | | | |

## Materal/Attachment

| | | | | | |
|---|---|---|---|---|---|
| 16 | Contact Material | Noble metal | 17 | Housing material | ALL Alloy |
| 18 | Lead wire | Rotor:300mm(See wiring diagram) Stator:300mm(See wiring diagram) | | | |




| Optical fiber: | |
|---|---|
| 1.SMF optical fiber | 2.Wavelenght：1310nm~1550nm |
| 3.Insertion loss：<2dB | 4.Return loss：>55dB |
| 5.Max Speed：250rpm | 6.Work temperature：-40°C + 80°C |
| 7.Connector Type：FC | 8. Fiber Lenth:Rotor 950mm,Stator 1000mm |

UNLESS OTHERWISE SPECIFIED
1.ALL DIMENSIONS ARE IN MM HES BREAK SHARP EDGES &DEBURR
2.MATERIAL&FINISH TO BE AS NOTED OR SUBSTITUTED WITH AN APPROVED AND TESTED EQUIVALENT
FILLETS R.015 FINISH
THIRD ANGLE PROJECTION

TOLERANCES (EXCEPT AS NOTED)
DECIMAL X±.1 XX±.03 XXX±.005
FRACTIONAL±1/16
ANGULAR±1°

6 rings 5A Power +1 channel single mode fiber

MODEL MFO109-P0605-01-FC-01-800V(Z2912)

MOFLON 默孚龙

| | |
|---|---|
| SIZE | A |
| REV. | A/0 |
| SCALE | 1:1 |
| UNIT | mm |

DWG.NO FSD DATE 2019/05/07