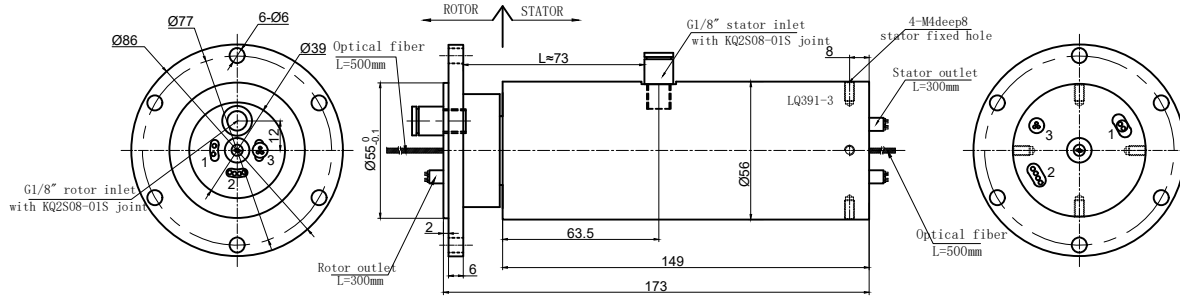


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Rotary joint technical parameters	
1 Channel	Tracheal joint G1/8 "
Pressure	Air pressure 1 Mpa
Torsion	T≤1.5N.M
Medium type	compressed air
Maximum speed	0-250 RPM
Temperature	-30° C ~+ 80° C
Material	ALL Alloy

Optical fiber technology parameters	
Optical fiber	1 road single-mode fiber (9/125 μ m)
wavelength	1310nm-1550nm
Insertion loss	< 4 db
Return loss	> 55 db
connector type	FC
Temperature	-40° C ~+ 80° C
length of the fiber	Rotor side; 500 mm (including joint) stator side;500 mm (including joint)

Electrical Specification

1 Rings	5	2 Current	Power module:
2 Voltage	0-380VAC/VDC(High voltage) ; 0-1000VDC(Direct current) ; 0-220VAC/VDC(Signal)		2 rings 5A (Direct current 1000V)
3 Insulation Resistance	1000MΩ@500VDC		+4 rings 10A (High voltage)
4 Electrical noise	Max.10mΩ;		Signal module:
5 Dielectric strength	1000VAC@50HZ.60S(High voltage) ; 0-1000VDC(Direct current) ; 60S 300VAC@50HZ.60S(Signal)		3 rings RS422 (Signal)

Mechanical Specification

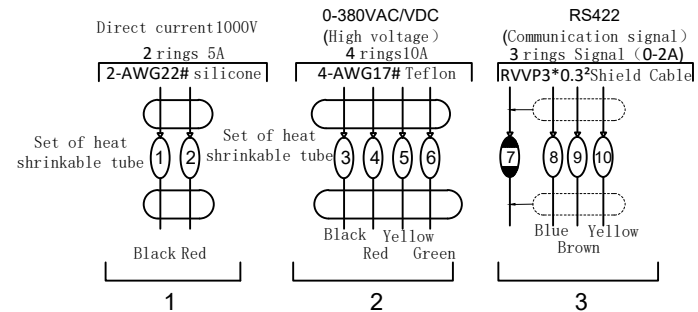
6 Speed	0~250RPM;	7 Torque	Max.0.5 N.M;
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Environmental adaptability

9 Working temperature	-30°C~+80°C	10 Storage temperature	-30 ~+80
11 humidity	85±3%(30°C+5°C)		
12 Rush	40g,11ms,Half sine wave, Vertical direction 3 times,Level 3times		
13 IP Class	IP51		

Material/Attachment

14 Contact Material	noble metal	15 Housing material	ALL Alloy
16 Lead wire	Rotor: 300mm(See wiring diagram) Stator: 300mm(See wiring diagram)		



UNLESS OTHERWISE SPECIFIED		TOLERANCES (EXCEPT AS NOTED)		1 channels gas+electricity +Combined fiber optic rotary joint					
1.ALL DIMENSIONS ARE IN MM HES BREAK SHARP EDGES & DEBURR		DECIMAL X±.1		MODEL	REPH100-02-P0410-P0205-S03-1MFO				
2.MATERIAL&FINISH TO BE AS NOTED OR SUBSTITUTED WITH AN APPROVED AND TESTED EQUIVALENT		XX±.03			SIZE	A			
FILLETS R.015		XXX±.005			RE.V	A / 0			
FINISH		FRACTIONAL±1/16		SCALE	1:1				
THIRD ANGLE PROJECTION		ANGULAR±1°		DWG.NO	FSD	DATE	2022-11-09	UNIT	mm