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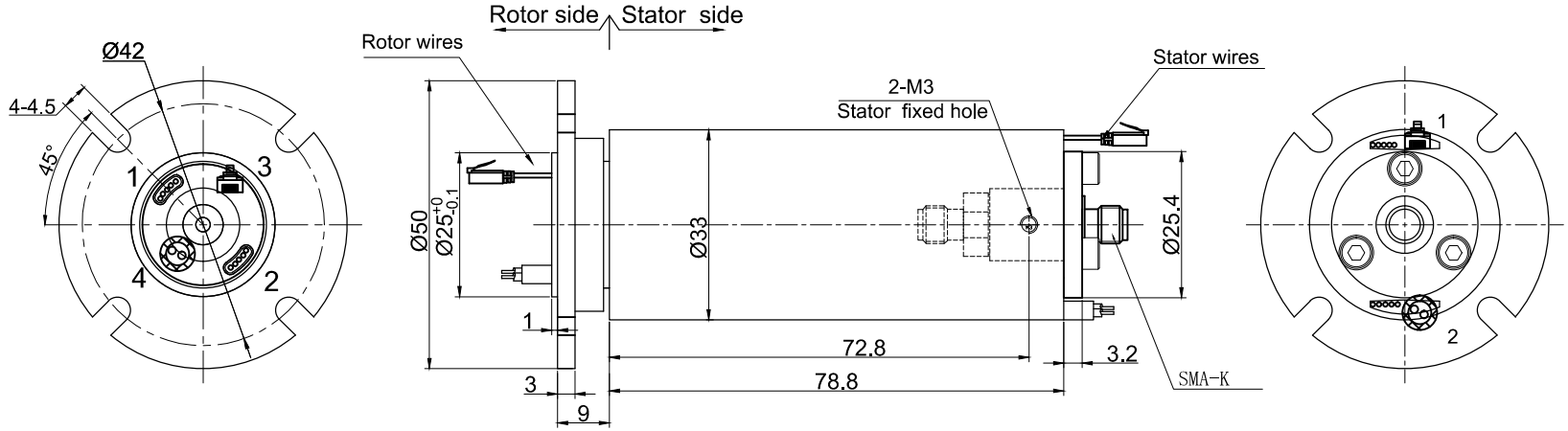

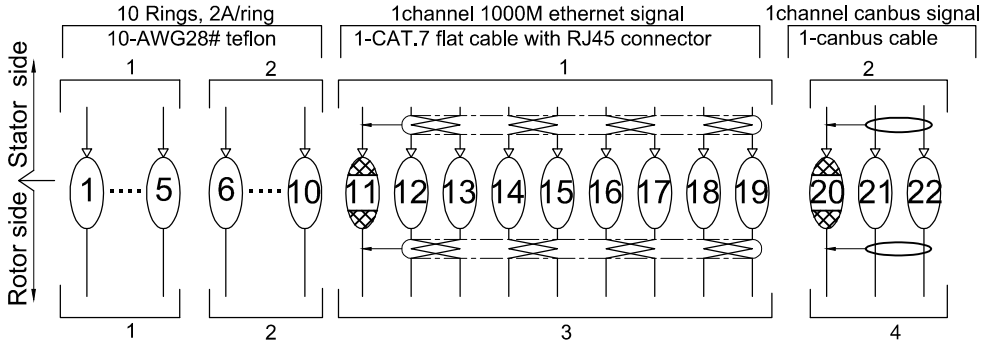

RF Rotary Joints Specifications

Max speed	100RPM	Torque	0.05N.m	Estimated life cycle	50 million
Frequency	0-18Ghz	Insertion loss	0.3dB	Working temperature	-30 to 85 ℃
Insertion loss ripple		0.05dB	VSWR ≤1.3	Storage temperature	-40 to 85 ℃
VSWR ripple	0.05	Start up torque	0.1N/m	IP rating	IP51

Electrical Specification

1	Rings	22	2	Current	Power module: 10 rings, 2A/ring Signal module: 1 channel 1000M ethernet signal 1 channel canbus signal
3	Voltage	0-240VDC/VAC			
4	Insulation Recistance	500MΩ@3000VDC			
5	Electrical noise	Max.10mΩ;			
6	Dielectric strength	300VAC@50Hz;60S			

Mecchanical Specification

7	Speed	0~10RPM;	8	Torque	Max.0.2N.M;
9	Life	Typical:10million 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℃)			
13	Rush	40g,11ms,Half sine wave, Vertical direction 3 times,Level 3times			
14	IP Class	IP51			

Materal/Attachment

15	Contact Material	noble metal	16	Housing material	AL Alloy+engineering plastic
17	Lead wire	Rotor:300mm(See wiring diagram) Stator:300mm(See wiring diagram)			

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°	10rings,2A/ring+1channel 1000M ethernet signal+1channel canbus signal MODEL RX00812002 RION SIZE A REV. A/0 SCALE 1:1 UNIT mm