

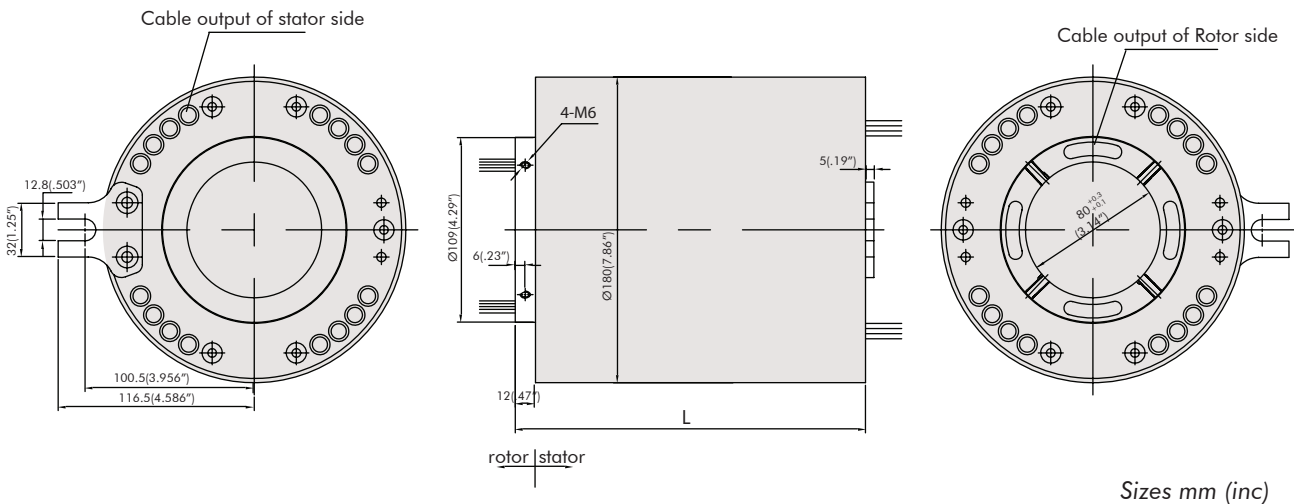
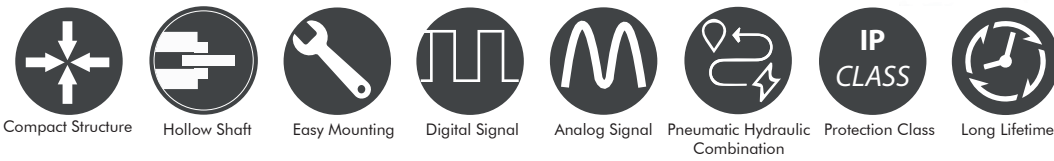
THROUGH BORE SLIP RING

ID: 80mm

Description

Hollow Shaft Slip Ring REC - Model RH80 Series ID: 80mm

RH80 Series central hole Slip Ring can be used in any electromechanical system that is requiring unlimited, continuous rotation for transmitting power and signal data from a stable structure to rotational structure. With a hole diameter as 80mm, the product can be easily mounted on a shaft. Also, the fiber brushes do not require lubrication and maintenance, almost no wearing down during its life time. This type of slip ring uses a bunch of fiber brush technology in the ring and a few of the brushes and rings contact is provided on a point. This ensures long lifetime and uninterrupted transmission.



Features

Inner Diameter:80mm, Outer Diameter:180 mm The length of the slip rings depend on the number of channels. It has maximum 48 channels. It can be combined as 10 amperage and multiples on power circuits. Power and signal channels are used in same connector. Safety can be provided for all combinations. It is convenient to use according to all of the protocols. It has gold contacts, stainless steel body.

Options

Cable Length, Mechanical Design, Flange Option, IP Class, Operating Temperature, Cable Output Point, Different Current Values

Electrical Information

Features	Values	
	Power	Signal
Rated Voltage	380 VAC	240VAC/VDC
Insulation Resistance	≥1000 M Ω/ 500VDC	≥500 M Ω/ 500VDC
Conductor Size	isolation PVC or PE	AWG22 silver coating, PTFE isolation
Conductor Length	500mm Standard: 500mm	
Dielectric Strength	500VAC@50Hz,60s	
Electrical Noise	≤10mΩ	

Mechanical Information

Features	Values
Rated Speed	250/500 rpm
Operating Temperature	-20 °C ~ +80 °C
Operating Humidity	60%RH or more
Connection Material	Precious Metal
Coating Material	Plastic or Aluminum
Torque	0.1 N M for -6 version, 0.03N M is added for each 6 Ring
Protection Class	IP51, IP54, IP65 Standard: IP51, Optional: IP54, IP65

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Standard Products List of RH80 Series

Type	(L=mm)	Rated Current		Total Number of Circuits
		(10A, 15A)	S(2A)	
RH80.P0610	88.5	6	—	6
RH80.S1205	88.5	—	12	12
RH80.P1210	118.5	12	—	12
RH80.P0610.S1205	118.5	6	12	18
RH80.S2405	118.5	—	24	24
RH80.P1810	148.5	18	—	18
RH80.P1210.S1205	148.5	12	12	24
RH80.P0610.S2405	148.5	6	24	30
RH80.S3605	148.5	—	36	36
RH80.P2410	178.5	24	—	24
RH80.P1810.S1205	178.5	18	12	30
RH80.P1210.S2405	178.5	12	24	36
RH80.P0610.S3605	178.5	6	36	42
RH80.S4805	178.5	—	48	48
RH80.P3010	208.5	30	—	30
RH80.P2410	208.5	24	12	36
RH80.P1810.S2405	208.5	18	24	42
RH80.P1210.S3605	208.5	12	36	48
RH80.P0610.S4805	208.5	6	48	54
RH80.S6005	208.5	—	60	60
RH80.P3610	238.5	36	—	36
RH80.P3010.S1205	238.5	30	12	42
RH80.P2410.S2405	238.5	24	24	48
RH80.P1810.S3605	238.5	18	36	54
RH80.P1210.S4805	238.5	12	48	60
RH80.P0610.S6005	238.5	6	60	66
RH80.S7205	238.5	—	72	72
RH80.P4210	268.5	42	—	42
RH80.P3610.S1205	268.5	36	12	48
RH80.P3010.S2405	268.5	30	24	54
RH80.P2410.S3605	268.5	24	36	60
RH80.P1810.S4805	268.5	18	48	66
RH80.P1210.S6005	268.5	12	60	72
RH80.P0610.S7205	268.5	6	72	78
RH80.S8405	268.5	—	84	84
RH80.P4810	298.5	48	—	48
RH80.P4210.S1205	298.5	42	12	54
RH80.P3610.S2405	298.5	36	24	60
RH80.P3010.S3605	298.5	30	36	66
RH80.P2410.S4805	298.5	24	48	72
RH80.P1810.S6005	298.5	18	60	78
RH80.P1210.S7205	298.5	12	72	84
RH80.P0610.S8405	298.5	6	84	90
RH80.S9605	298.5	—	96	96