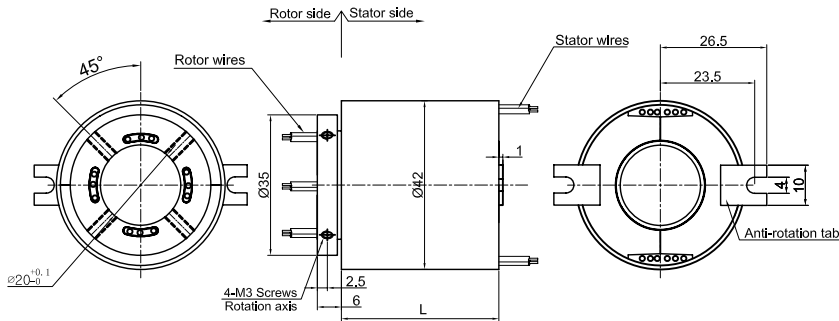


MT2042 Series

MT2042 series provides a 20mm through-bore for routing of hydraulic or pneumatic lines or hydraulic or pneumatic rotating shaft installation, and a compact 42mm outside diameter, features long life, fiber brush contact technology for ultimate performance in many challenging applications. MT2042 series are standard, off-the-shelf products, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections. It can transmit signal (2A), 5A current when 360° degree free rotating.



Part# Explanation



Part# List

MT2042 Series Parts# List		
Part#	Signal or 5A	Length-L (mm)
MT2042-S02	2	25.4
MT2042-S03	3	25.4
MT2042-S04	4	25.4
MT2042-S06	6	25.4
MT2042-S08	8	39.2
MT2042-S10	10	39.2
MT2042-S12	12	39.2

Note: N channels 5A rings parallel can be used as 1 channel N*5A current. For example: 2 rings 5A parallel could be used as 1 wires 10A. Circuit number and current strength can be customized, please contact customer service for more details.

Specifications

Mechanical Data		Electrical Data		
Parameter	Value	Parameter	Value	
Working Life	10 million revs	Rated Voltage	Power	Signal
Rotating Speed	Max 250RPM	Insulation Resistance	0~240VAC/VDC	0~240VAC/VDC
Working Temperature	-30°C~80°C	Lead Wires	≥500MΩ/500VDC	≥500MΩ/500VDC
Operating Humidity	0~85% RH	Lead Length	AWG28#Teflon	AWG28#Teflon
Contact Material	Gold-gold	Insulation Strength	Standard 300mm (adjustable)	
Housing Material	ABS	Electrical Noise	500VAC@50Hz, 60s	
Torque	0.05N.m ; +0.02N.m/6rings		<0.01Ω	
Protection Grade	IP51			

Product Quality Level Table

Products Level Code	Max Rotating Speed	Working Life	Contact Material
VC	250RPM	20 Million Revs	Precious Metal
VD	600RPM	60 Million Revs	Gold-Gold

Lead Wires Color Code

Ring	1	2	3	4	5	6	7	8	9	10	11	12
Color	BLK	RED	YEL	GRN	BLU	WHT	BLK	RED	YEL	GRN	BLU	WHT

(6 wires for 1 group color, from 7-12, repeat the same color as 1...6, indicated with number code pipe)