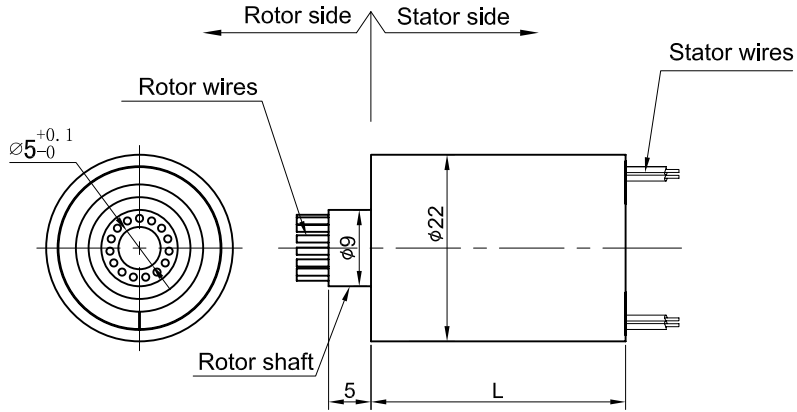
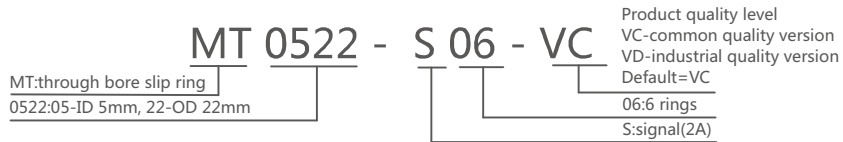


MT0522 Series

MT0522 series provides a 5mm through-bore for routing of hydraulic or pneumatic lines or hydraulic or pneumatic rotating shaft installation, and a compact 22mm outside diameter, features long life, fiber brush contact technology for ultimate performance in many challenging applications. MT0522 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

MT0522 Series Parts# List		
Part#	Signal or 2A	Length-L (mm)
MT0522-S02	2	19
MT0522-S04	4	19
MT0522-S06	6	19
MT0522-S08	8	30
MT0522-S10	10	30
MT0522-S12	12	30
MT0522-S15	15	30

Note: N channels 2A rings parallel can be used as 1 channel N*2A current. For example: 2 rings 2A parallel could be used as 1 wires 4A

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	Standard 300mm(adjustable)	Standard 300mm(adjustable)
Contact Material	Gold-gold	Insulation Strength	500VAC@50Hz, 60s	500VAC@50Hz, 60s
Housing Material	ABS/Aluminium Alloy	Electrical Noise	<0.01Ω	<0.01Ω
Torque	0.05N.m ; +0.02N.m/6rings			
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	RED	GRN	YEL	VLT	GRY	BLK	BLU	DKBU	BRN	ORN	WHT	DKYEL
Ring	13		14			15						
Color	WHT-RED		WHT-BLK			WHT-BLU						