

MT020 Series

Through bore 20mm, Overall Diameter: 45mm

MT020 series provides a 20mm through-bore for routing of hydraulic or pneumatic lines or hydraulic or pneumatic rotating shaft installation, and a compact 45mm outside diameter, features long life, fiber brush contact technology for ultimate performance in many challenging applications.

MT020 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 at max 250VAC/VDC



Specifications

Rings	2~12(see table as below)	Current	Signal(5A)
Voltage	250 VDC/VAC	Max speed	250RPM
Through bore size	20.00mm	Overall diameter	45mm
Housing Material	Aluminium Alloy	Torque	0.05N.m; +0.03N.m/6rings
Working life	depends on speed	Contact material	Precious Metal:Gold-Gold
Electrical noise	<5mOhm	Contact Resistance	<2mOhm
Dielectric strength	600VDC@50Hz	Lead Wire	UL Teflon® Awg22
Insulation resistance	1000MΩ@600VDC	Lead Lengths	300mm(12")
Operating Temp.	-40°C to 80°C	Protection	IP51
Mechanical vibratio	MIL-SID-810E	Humidity	10% to 70% RH
Materials	Lead Free,RoHS compliant	Certified	YES

Parts#

PART #	TOTAL RINGS	CURRENT	LENGTH
MT02002	2	(Signal or Power 5A)/ring	30mm
MT02004	3	(Signal or Power 5A)/ring	36mm
MT02006	6	(Signal or Power 5A)/ring	42mm
MT02012	12	(Signal or Power 5A)/ring	60mm

Lead wire Color codes

Rings#	Color Code	Rings#	Color Code	Rings#	Color Code
1	BLK	5	YEL	9	GRY
2	BRN	6	GRN	10	WHT
3	RED	7	BLU	11	PINK
4	ORN	8	PURPLE	12	AZURY

12 wires for one group color. from 13 ... 24, repeat the same color as 1 ... 12, indicated with number code pipe.

Drawings

Standard drawings:

