

MT013 Series

Through bore 12.7mm(1/2"), Overall Diameter: 35mm

Mt013 series provides a 12.7mm(1/2") through-bore for routing of hydraulic or pneumatic lines or hydraulic or pneumatic rotating shaft installation, and a compact 35mm outside diameter, features long life, fiber brush contact technology for ultimate performance in many challenging applications.

MT013 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	12.7mm(1/2")	Overall diameter	35mm(1.38")
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
MT01302	2	(Signal or Power 5A)/ring	25mm
MT01304	3	(Signal or Power 5A)/ring	29.8mm
MT01306	6	(Signal or Power 5A)/ring	34.5mm
MT01312	12	(Signal or Power 5A)/ring	48mm

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:

