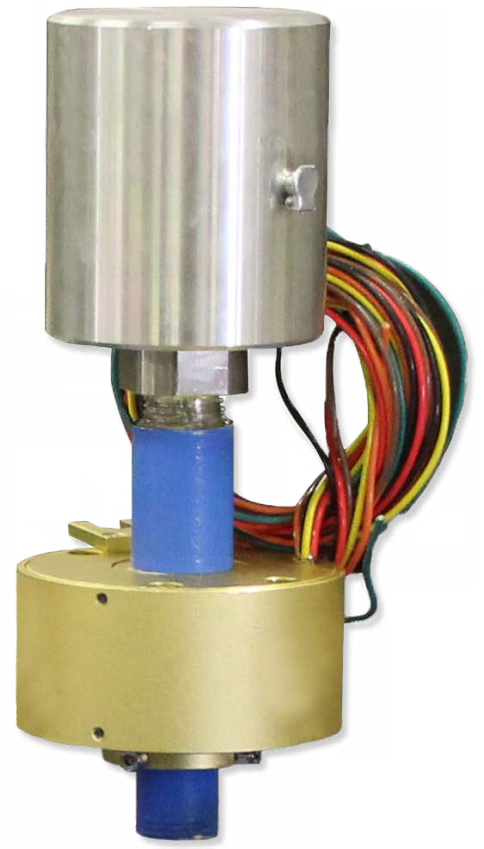
MOTION
INDEX DRIVES

MX150 Series Slip Ring/Rotary Union

MX150 series provides a long life, fiber brush contact technology for ultimate performance in many challenging applications. MX150 series are standard, with leads lengths of 72 inches. Color-coded lead wires are used on both the stator and rotor for simplified electrical connections. It can transmit signal (2A), 10A current at max 600VAC/VDC.

Air unions are available in 1/2 inch 3/4 inch and 1 inch, please specify when ordering. Please verify indexer model for correct mounting bracket which is included.



Air Union Specification	
Air Pressure	150 PSI
Air Temp	250 F
Hydraulic Temp	250 F
Max Speed	1500 RPM
Vacuum Pressure	28 InHG
Vacuum Temp	250 F

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	CYAN

Specifications

Rings	2~96(see next page)	Current	Signal(2A),10A
Voltage	600 VDC/VAC	Max speed	1000RPM
Through Bore Size	38.1mm(1.5")	Overall diameter	99mm(3.9")
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	<5 mOhm	Contact Resistance	<2mOhm
Dielectric Strength	800VDC@50Hz	Lead Wire	UL Teflon® Awg22,Awg16
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 85% RH
Materials	Lead Free,RoHS compliant	Certified	YES

Parts List

Please note: 10A rings parallel can be used as multiple 10A current.
For Example: 2 rings parallel could be used as 1 wires 20A

MX150-02-0200

Parts #	Power 10A	Signal/2A	Parts #	Power 10A	Signal/2A
MX150-02-0200	2	0	MX150-02-0002	0	2

MX150-03-0300

Parts #	Power 10A	Signal/2A	Parts #	Power 10A	Signal/2A
MX150-03-0300	3	0	MX150-03-0003	0	3
MX150-03-0102	1	2	MX150-03-0201	2	1

MX150-06-0600

Parts #	Power 10A	Signal/2A	Parts #	Power 10A	Signal/2A
MX150-06-0600	6	0	MX150-06-0006	0	6
MX150-06-0204	2	4	MX150-06-0402	4	2

MX150-12-1200

Parts #	Power 10A	Signal/2A	Parts #	Power 10A	Signal/2A
MX150-12-1200	12	0	MX150-12-0012	0	12
MX150-12-0210	2	10	MX150-12-0408	4	8
MX150-12-0606	6	6	MX150-12-0804	8	4
MX150-12-1002	10	2			

MX150-18-1800

Parts #	Power 10A	Signal/2A	Parts #	Power 10A	Signal/2A
MX150-18-1800	18	0	MX150-18-0018	0	18
MX150-18-0216	2	16	MX150-18-0414	4	14
MX150-18-0612	6	12	MX150-18-0810	8	10
MX150-18-1008	10	8	MX150-18-1206	12	6
MX150-18-1404	14	4	MX150-18-1602	16	2

MX150-24-2400

Parts #	Power 10A	Signal/2A	Parts #	Power 10A	Signal/2A
MX150-24-2400	24	0	MX150-24-0024	0	24
MX150-24-0618	6	18	MX150-24-1212	12	12
MX150-24-1806	18	6			

MX150-30-3600

Parts #	Power 10A	Signal/2A	Parts #	Power 10A	Signal/2A
MX150-30-3000	30	0	MX150-30-0030	0	30
MX150-30-0624	6	24	MX150-30-1218	12	18
MX150-36-1812	18	12	MX150-30-2406	24	6

MX150-36-3600

Parts #	Power 10A	Signal/2A	Parts #	Power 10A	Signal/2A
MX150-36-3600	36	0	MX150-36-0036	0	36
MX150-36-0630	6	30	MX150-36-1224	12	24
MX150-36-1818	18	18	MX150-36-2412	24	12
MX150-36-3006	30	6			

MX150-42-4200

Parts #	Power 10A	Signal/2A	Parts #	Power 10A	Signal/2A
MX150-42-4200	42	0	MX150-42-0042	0	42
MX150-42-0636	6	36	MX150-42-1230	12	30
MX150-42-1824	18	24	MX150-42-2418	24	18
MX150-42-3012	30	12	MX150-42-3606	36	6

MX150-48-4800

Parts #	Power 10A	Signal/2A	Parts #	Power 10A	Signal/2A
MX150-48-4800	48	0	MX150-48-0048	0	48
MX150-48-0642	6	42	MX150-48-1236	12	36
MX150-48-1830	18	30	MX150-48-2424	24	24
MX150-48-3018	30	18	MX150-48-3612	36	12
MX150-48-4206	42	6			

MX150-56-5600

Parts #	Power 10A	Signal/2A	Parts #	Power 10A	Signal/2A
MX150-56-5600	56	0	MX150-56-0056	0	56
MX150-56-0650	6	50	MX150-56-1244	12	44
MX150-36-1838	18	38	MX150-56-2432	24	32
MX150-36-3620	36	20	MX150-56-4808	48	8

MX150-72-7200

Parts #	Power 10A	Signal/2A	Parts #	Power 10A	Signal/2A
MX150-72-7200	72	0	MX150-72-0072	0	72
MX150-72-1260	12	60	MX150-72-2448	24	48
MX150-72-3042	30	42	MX150-72-3636	36	36
MX150-72-4824	48	24	MX150-72-6012	60	12

MX150-96-9600

Parts #	Power 10A	Signal/2A	Parts #	Power 10A	Signal/2A
MX150-96-9600	96	0	MX150-96-0096	0	96
MX150-96-1284	12	84	MX150-96-2472	24	72
MX150-96-3660	36	60	MX150-96-4848	48	48
MX150-96-6036	60	36	MX150-96-7224	72	24

* Please note that all listed voltage and current ratings refern to individual channel/pins only. The overall ampacity of the system is defined by the number of channels in the system.

As a rule of thumb a 10 channel system has a conversion factor of about 0.5, meaning while each channel can handle for example 10A, the total amperage on all channel should not exceed 50A to prevent overheating. On a 20 channel system the conversion factor reduces to about 0.4, meaning the total amerage should not exceed 20 (channel) x 10A (per channel x 0.4 (conversion factor) = 80A. The mentioned convertion factor are worst case estimates when operating the slip ring above 50 deg C (122 deg F) and in a closed and tight enviroment without any airflow and no chance for the heat to escape.