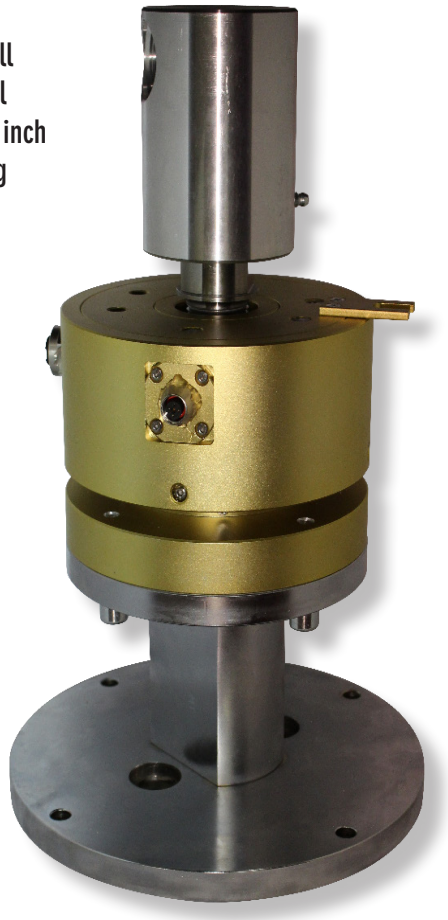
MOTION
INDEX DRIVES

MX470 series provides easy installation with plug in connectors. Each unit is tested for communication response times and connectivity. With ratings of IP56 on most units you will be getting maximum protection level for most applications. High quality gold plated internal components offer high conductivity. Standard air unions are also, 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

Environmental Adaptability	
Working Temperature	-40C to 200C
Storage Temperature	-45C to 85C
Humidity	85±3% (30C±5C)
Vibration	10-30 Hz Frequency Double Amplitude 0.8mm 30- 200 Hz
Rush	40g 11ms, Half Sine Wave Vertical Direction 3 Times

Specifications					
Electrical		Mechanical		Material/Attachment	
Voltage	220VAC/VDC	Speed	0-500 RPM	Contact Material	Gold
Insulation Resistance	500MΩ 800VDC	Torque	Max 0.15 NM	Housing Material	Aluminum Alloy
Electric Noise	Max 5mΩ				
Dielectric Strength	800 VAC @ 50 Hz				

Parts List

MX470-01							
Connectors	Stator	Rotor	Communication	Power Rating	Mechanical Connection	Design	Number of Conductors
Turck RSF578	1	1	Device Net	N/A	7/8"	MR	5
Turck RSFL56	0	1	N/A	600 V 9 AMP	7/8"	MR	5
Turck RKFL56	1	0	N/A	600 V 9 AMP	7/8"	FR	5

MX470-02							
Connectors	Stator	Rotor	Communication	Power Rating	Mechanical Connection	Design	Number of Conductors
Turck FKW5L	1	1	Profinet	N/A	M12X1	FR	5
Turck RSFL56	0	1	N/A	600 V 9 AMP	7/8"	MR	5
Turck RKFL56	1	0	N/A	600 V 9 AMP	7/8"	FR	5

MX470-03							
Connectors	Stator	Rotor	Communication	Power Rating	Mechical Connection	Design	Number of Conductors
Turck FKF DDV-440	2	2	Ethernet	N/A	M12X1	FR	4
Turck RSF461	0	1	N/A	600 V 10 AMP	7/8"	MR	4
Turck RKFL461	1	0	N/A	600 V 10 AMP	7/8"	FR	4

MX470-04							
Connectors	Stator	Rotor	Communication	Power Rating	Mechical Connection	Design	Number of Conductors
Turck FKF DDV-440	1	1	Ethernet	N/A	M12X1	FR	4
Turck RSF34	0	1	N/A	600 V 10 AMP	7/8"	MR	3
Turck RKF34	1	0	N/A	600 V 10 AMP	7/8"	FR	3
Turck RSF44	0	1	N/A	600 V 15 AMP	7/8"	MR	4
Turck RKF44	1	0	N/A	600 V 10 AMP	7/8"	FR	4

MX470-05							
Connectors	Stator	Rotor	Communication	Power Rating	Mechanical Connection	Design	Number of Conductors
Hirschmann J224TPESTP	1	1	Ethernet	N/A	M12	MR	4
Turck RSF126	0	1	N/A	600V 7 AMP	1 1/8"	FR	12
Turck RKF126	1	0	N/A	600V 7 AMP	1 1/8"	MR	12

MX470-06							
Connectors	Stator	Rotor	Communication	Power Rating	Mechanical Connection	Design	Number of Conductors
Hirschmann J224TPESTP	1	1	Ethernet	N/A	M12	MR	4
Turck RSF34	0	1	N/A	600 V 10 AMP	7/8"	MR	3
Turck RKF34	1	0	N/A	600 V 10 AMP	7/8"	FR	3
Turck RSF44	0	1	N/A	600 V 15 AMP	7/8"	MR	4
Turck RKF44	1	0	N/A	600 V 15 AMP	7/8"	FR	4

MX470-07							
Connectors	Stator	Rotor	Communication	Power Rating	Mechanical Connection	Design	Number of Conductors
Turck RSF578	4	4	Device Net	N/A	7/8"	MR	4
Turck CSFD-64-6	0	1	N/A	300 V 15 AMP	7/8"	MR	4
Turck CKFD-64-6	1	0	N/A	300 V 15 AMP	7/8"	FR	4

*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.

* MR = Male Receptor
* FR = Female Receptor