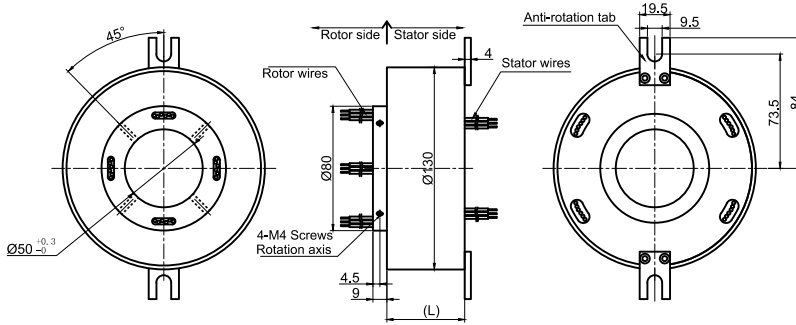
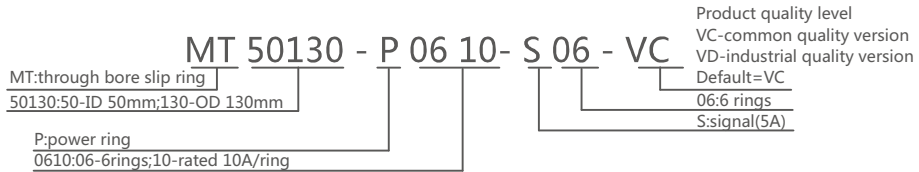


MT50130 Series

MT50130 series provides a 50mm through-bore for routing of hydraulic or pneumatic lines or hydraulic or pneumatic rotating shaft installation, and a compact 130mm outside diameter, features long life, fiber brush contact technology for ultimate performance in many challenging applications. MT50130 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), 10A, multiple 10A current when 360° degree free rotating.



Part# Explanation



Part# List

MT50130 Series Parts# List							
Part#	10A	Signal or 5A	Length-L (mm)	Part#	10A	Signal or 5A	Length-L (mm)
MT50130-S02	0	2	35.6	MT50130-S48	0	48	207.8
MT50130-P0210	2	0	35.6	MT50130-P0610-S42	6	42	207.8
MT50130-S03	0	3	39.2	MT50130-P0910-S39	9	39	207.8
MT50130-P0310	3	0	39.2	MT50130-P1210-S36	12	36	207.8
MT50130-S06	0	6	50	MT50130-P1810-S30	18	30	207.8
MT50130-P0210-S04	2	4	50	MT50130-P2410-S24	24	24	207.8
MT50130-P0410-S02	4	2	50	MT50130-S60	0	60	251
MT50130-P0610	6	0	50	MT50130-P0610-S54	6	54	251
MT50130-S12	0	12	71.6	MT50130-P0910-S51	9	51	251
MT50130-P0210-S10	2	10	71.6	MT50130-P1210-S48	12	48	251
MT50130-P0310-S09	3	9	71.6	MT50130-S72	0	72	298.2
MT50130-P0610-S06	6	6	71.6	MT50130-P0610-S66	6	66	298.2
MT50130-P0810-S04	8	4	71.6	MT50130-P1210-S60	12	60	298.2
MT50130-P1010-S02	10	2	71.6	MT50130-P2410-S48	24	48	298.2
MT50130-P1210	12	0	71.6	MT50130-P3610-S36	36	36	298.2
MT50130-S18	0	18	93.2	MT50130-S84	0	84	341.4
MT50130-P0210-S16	2	16	93.2	MT50130-P1210-S72	12	72	341.4
MT50130-P0410-S14	4	14	93.2	MT50130-P2410-S60	24	60	341.4
MT50130-P0610-S12	6	12	93.2	MT50130-P3610-S48	36	48	341.4
MT50130-P0810-S10	8	10	93.2	MT50130-S96	0	96	384.6
MT50130-P1010-S08	10	8	93.2	MT50130-P1210-S84	12	84	384.6
MT50130-P1210-S06	12	6	93.2	MT50130-P2410-S72	24	72	384.6
MT50130-P1410-S04	14	4	93.2	MT50130-P3610-S60	36	60	384.6
MT50130-P1610-S02	16	2	93.2	MT50130-P4210-S54	42	54	384.6
MT50130-S24	0	24	114.8	MT50130-S108	0	108	431.8
MT50130-P0410-S20	4	20	114.8	MT50130-P1210-S96	12	96	431.8
MT50130-P0610-S18	6	18	114.8	MT50130-P2410-S84	24	84	431.8
MT50130-P1210-S12	12	12	114.8	MT50130-P3610-S72	36	72	431.8
MT50130-P1810-S06	18	6	114.8	MT50130-S120	0	120	475
MT50130-P2410	24	0	114.8	MT50130-P1210-S108	12	108	475
MT50130-S30	0	30	136.4	MT50130-P2410-S96	24	96	475
MT50130-P0610-S24	6	24	136.4	MT50130-P3610-S84	36	84	475
MT50130-P1210-S18	12	18	136.4	MT50130-P4810-S72	48	72	475
MT50130-P1810-S12	18	12	136.4	MT50130-S132	0	132	518.2
MT50130-P2410-S06	24	6	136.4	MT50130-P1210-S120	12	120	518.2
MT50130-P3010	30	0	136.4	MT50130-P2410-S108	24	108	518.2

MT50130-S36	0	36	162	MT50130-P3610-S96	36	96	518.2
MT50130-P0610-S30	6	30	162	MT50130-P4810-S84	48	84	518.2
MT50130-P1210-S24	12	24	162	MT50130-S144	0	144	561.4
MT50130-P3610	36	0	162	MT50130-P1210-S132	12	132	561.4
MT50130-S42	0	42	186.2	MT50130-P2410-S120	24	120	561.4
MT50130-P0610-S36	6	36	186.2	MT50130-P3610-S108	36	108	561.4
MT50130-P1210-S30	12	30	186.2	MT50130-P4810-S96	48	96	561.4

Note: N channels 10A rings parallel can be used as 1 channel N*10A current. For example: 2 rings 10A parallel could be used as 1 wires 20A. 10A,5A (signal) can combine freely in any way.It can be customized based on standard slip ring,please contact customer service for more detmails.

Specifications

Electrical Data	
Parameter	Value
	Power
Rated Voltage	0~690VAC/VDC
Insulation Resistance	≥1000MΩ/500VDC
Lead Wires	AWG16#Teflon
Lead Length	Standard 300mm(adjustable)
Insulation Strength	1000VAC@50Hz , 60s
Electrical Noise	<0.01Ω
	Signal
	0~440VAC/VDC
	≥1000MΩ/500VDC
	AWG22#Teflon
Mechanical Data	
Parameter	Value
Working Life	See Product Quality Level Table
Rotating Speed	See Product Quality Level Table
Working Temperature	-30°C~80°C
Operating Humidity	0~85% RH
Contact Material	See Product Quality Level Table
Housing Material	Aluminium Alloy
Torque	0.1N.m ; +0.03N.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	80 Million Revs	Gold-plated
VH	1000RPM	150 Million Revs	Gold-Gold

Lead Wires Color Code

Ring	1	2	3	4	5	6	7	8	9	10	11	12
Color	BLK	RED	YEL	GRN	BLU	WHT	BLK	RED	YEL	GRN	BLU	WHT

(6 wires for 1 group color, from 7-12, repeat the same color as 1...6, indicated with number code pipe)

Options For Custom Slip Ring

Note: Below special demands can be customized. According, the delivery date will be extended 3 to 15 days; also the cost will be increased 30% to 50%. Most of our basic parts are standard and modular, which can save the cost and lead time.

- ① Cable exit way and cable length can be customized for both rotor and stator.
- ② Because of the structure limitation, length/height/OD can be customized on your request.
- ③ Support current or signal up to 200 rings.
- ④ Aviation plug, terminal and heat-shrink tube are optional.
- ⑤ Hybrid slip ring for Yaskawa/Panasonic/Siemens servo control signal, power line and encoder line.
- ⑥ Support mixed high speed data transmission (including Ethernet, USB, RS232, RS485, Profibus, CanBUS, CANOPEN, DeviceNET, CC-LINK, ProfiNET, EtherCAT, etc.)
- ⑦ Can combine temperature control signal with thermocouple signal.
- ⑧ Special environment can be customized, such as quakeproof, high temperature, etc.
- ⑨ Hybrid Pneumatic/hydraulic and electric slip ring can be mixed.
- ⑩ High temperature can up to 500 degrees.
- ⑪ High pressure can up to 110KV
- ⑫ Rotating speed can up to 10000RPM
- ⑬ Maximum current can up to 5000 amperes.
- ⑭ Military grade
- ⑮ Optional for underwater IP65, IP68.
- ⑯ Optional for stainless steel housing

Technical support: technical@moflon.com