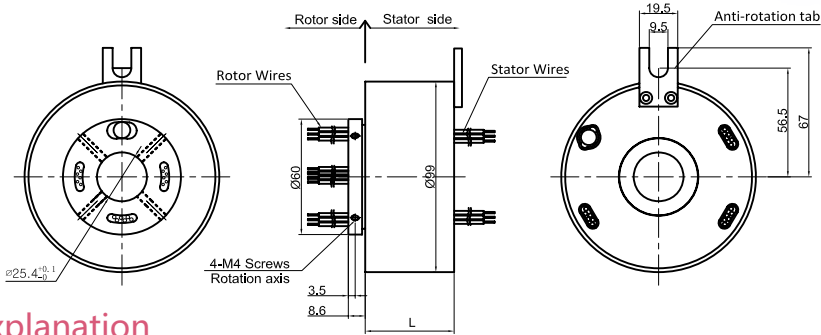


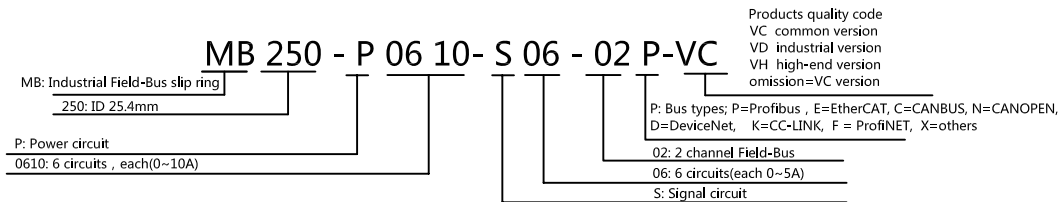
MB250 series Industry Field-Bus Slip Rings (high speed transmission)

MB250 slip rings, with bore size 25.4mm (1"), suitable for <=25.4mm, are our standard series integral and precise industry field-bus slip rings. MB120 slip rings can support bus type , such as Profibus, CanBUS, CANOPEN, DeviceNET, CC-LINK, ProfiNET, etc.

Note: For bore size < 25.4 mm, adding lining shaft sleeve can make it.



Part# Explanation



Part# List

MB250 Series Industry Field-Bus Slip Rings Part List Table									
Part#	10A	Signal or 5A	Industrial bus	Length(mm)	Part#	10A	Signal or 5A	Industrial bus	Length(mm)
MB250-01P	0	0	Profibus ×1	45.2	MB250-01E	0	0	EtherCAT ×1	45.2
MB250-P0610-01P	6	0	Profibus ×1	65.6	MB250-P0610-01E	6	0	EtherCAT ×1	65.6
MB250-P1210-01P	12	0	Profibus ×1	86	MB250-P1210-01E	12	0	EtherCAT ×1	86
MB250-P0610-S06-01P	6	6	Profibus ×1	86	MB250-P0610-S06-01E	6	6	EtherCAT ×1	86
MB250-S12-01P	0	12	Profibus ×1	86	MB250-S12-01E	0	12	EtherCAT ×1	86
MB250-P1810-01P	18	0	Profibus ×1	106.4	MB250-P1810-01E	18	0	EtherCAT ×1	106.4
MB250-P0610-S12-01P	6	12	Profibus ×1	106.4	MB250-P0610-S12-01E	6	12	EtherCAT ×1	106.4
MB250-P1210-S06-01P	12	6	Profibus ×1	106.4	MB250-P1210-S06-01E	12	6	EtherCAT ×1	106.4
MB250-S24-01P	0	24	Profibus ×1	126.8	MB250-S24-01E	0	24	EtherCAT ×1	126.8
MB250-P1210-S12-01P	12	12	Profibus ×1	126.8	MB250-P1210-S12-01E	12	12	EtherCAT ×1	126.8
MB250-S30-01P	0	30	Profibus ×1	150.2	MB250-S30-01E	0	30	EtherCAT ×1	150.2
MB250-S36-01P	0	36	Profibus ×1	170.6	MB250-S36-01E	0	36	EtherCAT ×1	170.6
MB250-01C	0	0	CANBUS ×1	45.2	MB250-01D	0	0	DeviceNET ×1	45.2
MB250-P0610-01C	6	0	CANBUS ×1	65.6	MB250-P0610-01D	6	0	DeviceNET ×1	65.6
MB250-P1210-01C	12	0	CANBUS ×1	86	MB250-P1210-01D	12	0	DeviceNET ×1	86
MB250-P0610-S06-01C	6	6	CANBUS ×1	86	MB250-P0610-S06-01D	6	6	DeviceNET ×1	86
MB250-S12-01C	0	12	CANBUS ×1	86	MB250-S12-01D	0	12	DeviceNET ×1	86
MB250-P1810-01C	18	0	CANBUS ×1	106.4	MB250-P1810-01D	18	0	DeviceNET ×1	106.4
MB250-P0610-S12-01C	6	12	CANBUS ×1	106.4	MB250-P0610-S12-01D	6	12	DeviceNET ×1	106.4
MB250-P1210-S06-01C	12	6	CANBUS ×1	106.4	MB250-P1210-S06-01D	12	6	DeviceNET ×1	106.4
MB250-S24-01C	0	0	CANBUS ×1	126.8	MB250-S24-01D	0	0	DeviceNET ×1	126.8
MB250-P1210-S12-01C	12	12	CANBUS ×1	126.8	MB250-P1210-S12-01D	12	12	DeviceNET ×1	126.8
MB250-S30-01C	0	30	CANBUS ×1	150.2	MB250-S30-01D	0	30	DeviceNET ×1	150.2
MB250-S36-01C	0	36	CANBUS ×1	170.6	MB250-S36-01D	0	36	DeviceNET ×1	170.6
MB250-01N	0	0	CANOPEN ×1	45.2	MB250-01F	0	0	ProfiNET ×1	45.2
MB250-P0610-01N	6	0	CANOPEN ×1	65.6	MB250-P0610-01F	6	0	ProfiNET ×1	65.6
MB250-P1210-01N	12	0	CANOPEN ×1	86	MB250-P1210-01F	12	0	ProfiNET ×1	86
MB250-P0610-S06-01N	6	6	CANOPEN ×1	86	MB250-P0610-S06-01F	6	6	ProfiNET ×1	86
MB250-S12-01N	0	12	CANOPEN ×1	86	MB250-S12-01F	0	12	ProfiNET ×1	86
MB250-P1810-01N	18	0	CANOPEN ×1	106.4	MB250-P1810-01F	18	0	ProfiNET ×1	106.4
MB250-P0610-S12-01N	6	12	CANOPEN ×1	106.4	MB250-P0610-S12-01F	6	12	ProfiNET ×1	106.4
MB250-P1210-S06-01N	12	6	CANOPEN ×1	106.4	MB250-P1210-S06-01F	12	6	ProfiNET ×1	106.4
MB250-S24-01N	0	24	CANOPEN ×1	126.8	MB250-S24-01F	0	24	ProfiNET ×1	126.8

MB250-P1210-S12-01N	12	12	CANOPEN ×1	126.8	MB250-P1210-S12-01F	12	12	ProfiNET ×1	126.8
MB250-S30-01N	0	30	CANOPEN ×1	150.2	MB250-S30-01F	0	30	ProfiNET ×1	150.2
MB250-S36-01N	0	36	CANOPEN ×1	170.6	MB250-S36-01F	0	36	ProfiNET ×1	170.6
MB250-01K	0	0	CC-LINK ×1	45.2	MB250-P0610-S12-01K	6	12	CC-LINK ×1	106.4
MB250-P0610-01K	6	0	CC-LINK ×1	65.6	MB250-P1210-S06-01K	12	6	CC-LINK ×1	106.4
MB250-P1210-01K	12	0	CC-LINK ×1	86	MB250-S24-01K	0	24	CC-LINK ×1	126.8
MB250-P0610-S06-01K	6	6	CC-LINK ×1	86	MB120-P1210-S12-01K	12	12	CC-LINK ×1	126.8
MB250-S12-01K	0	12	CC-LINK ×1	86	MB250-S30-01K	0	30	CC-LINK ×1	150.2
MB250-P1810-01K	18	0	CC-LINK ×1	106.4	MB250-S36-01K	0	36	CC-LINK ×1	170.6

Power 10A and signal rings number can be with flexible module configuration on customer's request.
Please contact customer service for more various industrial bus configuration.

Specifications

Mechanical data		Electrical data		
Parameter	Value	Parameter	Value	
Working Life	See product quality level table		Power	Signal
Rotating Speed	See product quality level table	Rated Voltage	0~440VAC/VDC	0~440VAC/VDC
Working Temperature	-30°C~80°C	Insulation Resistance	≥1000MΩ/500VDC	≥1000MΩ/500VDC
Operating Humidity	0~85% RH	Lead Wire	AWG16#Teflon	AWG22#Teflon or bus cable
Contact Material	See product quality level table	Lead Length	standard length 300mm (adjustable)	
Housing Material	aluminum alloy	Insulating Strength	500VAC@50Hz , 60s	
Torque	0.1N.m ; +0.03N.m/6 rings	Electrical Noise	<0.01Ω	
Protection Grade	IP51			

Product Quality Level Table

Quality Level Code	Max Rotating Speed	Working Life	Contact Material
VC (Common Version)	200RPM	15 Million Revs	Precious Metal
VD (Industrial Version)	600RPM	80 Million Revs	Gold-Gold
VH (high-end version)	1000RPM	150 Million Revs	Aluminum Alloy

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 colors, from 7-12, repeat the same color as 1..6, indicated with number code pipe.)

Option for custom slip ring

Attention : it can be customized as below requirements , lead time would increase 3~15 days,price would increase 5%~50%.Most basic parts of slip ring are standard and modularized,which saved costs and lead time.

- ① through bore size,cable exit direction and lead length can be customized.
- ② length and outer diameter and can be customized.
- ③ Can max support 200 power/signal circuits.
- ④ Aviation plug,terminals and shrink tube are available.
- ⑤ Option for Yaskawa, panasonic, Siemens etc servo signal , power and encoder signal combined.
- ⑥ can support high data transmission (including,USB, Profibus , ProfiNET, Ethercat , CC-LINK, CANOPEN,CANBUS , RS232 , RS485 etc bus signal) .
- ⑦ temperature control signal,therocouple signal.
- ⑧ Anti-vibration,high-temp are optional.
- ⑨ Can combined with rotary joint.
- ⑩ Max temp can support 500 degree centigrade.
- ⑪ Max voltage can up to 110kV.
- ⑫ Max rotating speed of 10000RPM.
- ⑬ Max current up to 5000 (A) .
- ⑭ Military grade.
- ⑮ Optional for IP65,IP68 (underwater).
- ⑯ Housing materials can be stainless steel.

technical support : technical@moflon.com