

## Industry Bus Slip Ring

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COB series slip ring is perfect for high speed data transfer, Support all kinds of field bus, such as Profibus, CanBus, CANOPEN, ProfiNET, DeviceNET, Etc. It also can combine with power and signal, shaft and flange mounting for your option.



### Features:

- Continuous 360° rotation of signal or data
- Can combine with power / Signal
- Gold plated ring and Gold alloy brush
- Special shield for inner structure
- Profibus, CAN-Bus, DeviceNet, Profinet, EtherCAT, Interbus, CC-LINK and so on

### COB SERIES MODEL#

Model#	ID(mm)	OD(mm)	Bus Channel Number	Power / Signal
COB00	–	56	1~4	2~48
COB112	12.7	86	1~4	2~72
COB125	25.4	99	1~4	2~72
COB138	38.1	119	1~4	2~72
COB150	50	119	1~4	2~72

## COB00 Series Overview

### Description

COB series slip ring is perfect for high speed data transfer, Support all kinds of field bus, such as Profibus, CanBus, CANOPEN, ProfiNET, DeviceNET, Etc. It also can combine with power and signal, shaft and flange mounting for your option.

COB00 broadband slip ring without through bore, flange mounting or others.



### Specifications

Item	
Operating Speed	Max.600 RPM*
Number of Circuits	2~36 wires
Lead Wire	Bus cable, AWG22#, AWG16# Teflon, 300mm
Voltage	440V AC/DC
Operating Temperature	-40°C to 80°C
Current Rating	Signal / 5A, 10A circuits
Noise	<0.01Ω
Torque	0.1N.m; +0.03N.m/6rings
Housing Material	Al alloy
Protection Grade	IP51

\*Please note that the operational life of the unit is dependent upon rotational speed, environment and temperature

### Options

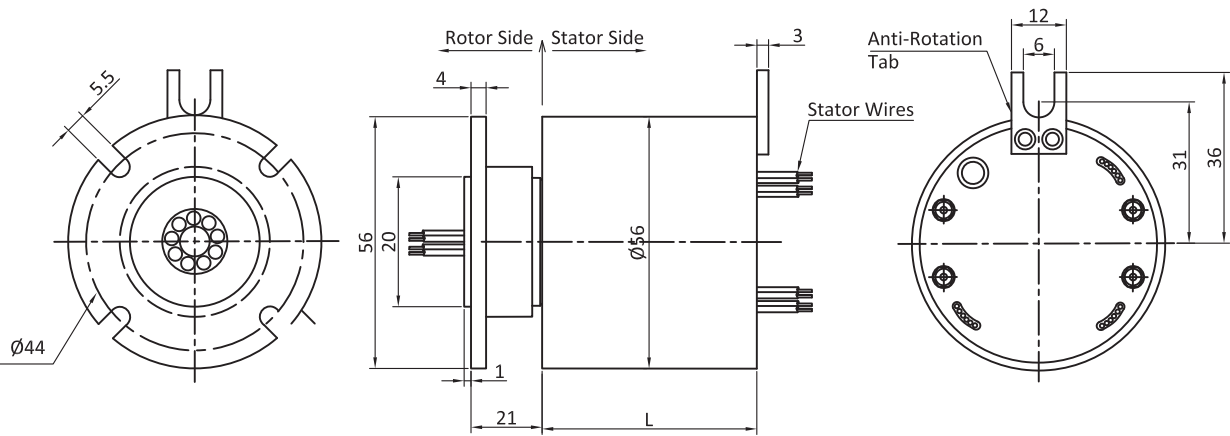
- Splash seals for dust and moisture resistance
- Various axial and radial lead exits are available
- Longer lead lengths are available
- Higher current and voltage capacity per circuit
- Support mixed high speed data transmission
- Hybrid Pneumatic/hydraulic and electric slip ring can be mixed.
- Aviation plug, terminal and heat-shrink tube are optional
- IP 65 rated slip ring available

# INTRODUCE

## COB00

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### COB00 Series Dimensions



**Notes:**

1. Drawings not actual size, dimensions are in millimeters

### Part# List

**Notes:** This series slip ring can combine industry bus signal with power / signal, so just send your requires to us, then we will design a suitable solution for you, thank you for your support!

**Lead wire color code(From the rotor)**

Ring#	Color	Description/AWG	Ring#	Color	Description/AWG
1	RED	Signal / AWG22# 10A / AWG16#	7	RED	Signal / AWG22# 10A / AWG16#
2	BLK		8	BLK	
3	BLU		9	BLU	
4	BRN		10	BRN	
5	WHT		11	WHT	
6	GRY		12	GRY	

**Notes:**

6 wires for 1 group color, from 7~12 circuits would repeat the same color.

## COB112 Series Overview

### Description

COB series slip ring is perfect for high speed data transfer, Support all kinds of field bus, such as Profibus, CanBus, CANOPEN, ProfiNET, DeviceNET, Etc. It also can combine with power and signal, shaft and flange mounting for your option.

COB112 broadband slip ring with 12.7mm through bore, 86mm OD.



### Specifications

Item	
Operating Speed	Max.600 RPM*
Number of Circuits	2~36 wires
Lead Wire	Bus cable, AWG22#, AWG16# Teflon, 300mm
Voltage	440V AC/DC
Operating Temperature	-40°C to 80°C
Current Rating	Signal / 5A, 10A circuits
Noise	<0.01Ω
Torque	0.1N.m; +0.03N.m/6rings
Housing Material	Al alloy
Protection Grade	IP51

\*Please note that the operational life of the unit is dependent upon rotational speed, environment and temperature

### Options

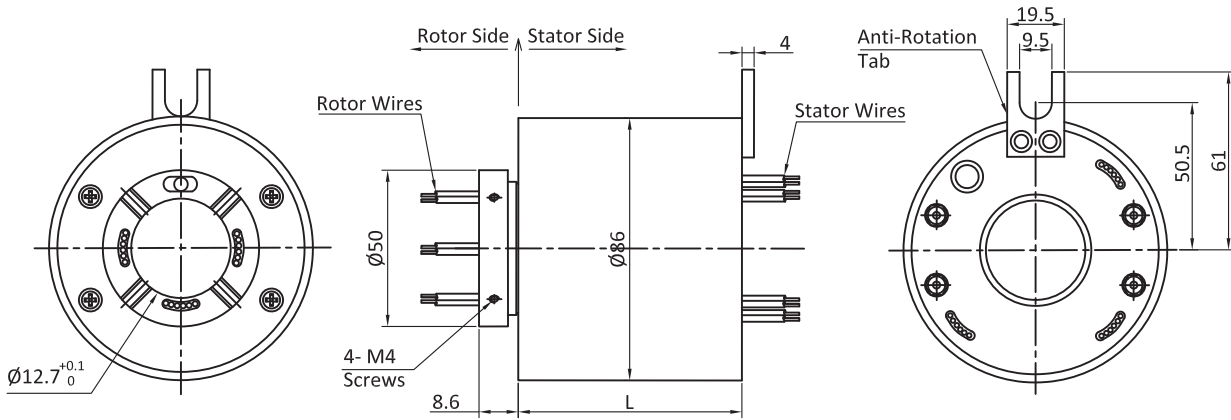
- Splash seals for dust and moisture resistance
- Various axial and radial lead exits are available
- Longer lead lengths are available
- Higher current and voltage capacity per circuit
- Support mixed high speed data transmission
- Hybrid Pneumatic/hydraulic and electric slip ring can be mixed.
- Aviation plug, terminal and heat-shrink tube are optional
- IP 65 rated slip ring available

# INTRODUCE

## COB112

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### COB112 Series Dimensions



**Notes:**

1. Drawings not actual size, dimensions are in millimeters

## Part# List

**Notes:** This series slip ring can combine industry bus signal with power / signal, so just send your requires to us, then we will design a suitable solution for you, thank you for your support!

**Lead wire color code(From the rotor)**

Ring#	Color	Description/AWG	Ring#	Color	Description/AWG
1	RED	Signal / AWG22# 10A / AWG16#	7	RED	Signal / AWG22# 10A / AWG16#
2	BLK		8	BLK	
3	BLU		9	BLU	
4	BRN		10	BRN	
5	WHT		11	WHT	
6	GRY		12	GRY	

**Notes:**

6 wires for 1 group color, from 7~12 circuits would repeat the same color.

## COB125 Series Overview

### Description

COB series slip ring is perfect for high speed data transfer, Support all kinds of field bus, such as Profibus, CanBus, CANOPEN, ProfiNET, DeviceNET, Etc. It also can combine with power and signal, shaft and flange mounting for your option.

COB125 broadband slip ring with 25.4mm through bore, 99mm OD, shaft or mounting.



### Specifications

Item	
Operating Speed	Max.500 RPM*
Number of Circuits	2~48 wires
Lead Wire	Bus cable, AWG22#, AWG16# Teflon, 300mm
Voltage	440V AC/DC
Operating Temperature	-40°C to 80°C
Current Rating	Signal / 5A, 10A circuits
Noise	<0.01Ω
Torque	0.1N.m; +0.03N.m/6rings
Housing Material	Al alloy
Protection Grade	IP51

\*Please note that the operational life of the unit is dependent upon rotational speed, environment and temperature

### Options

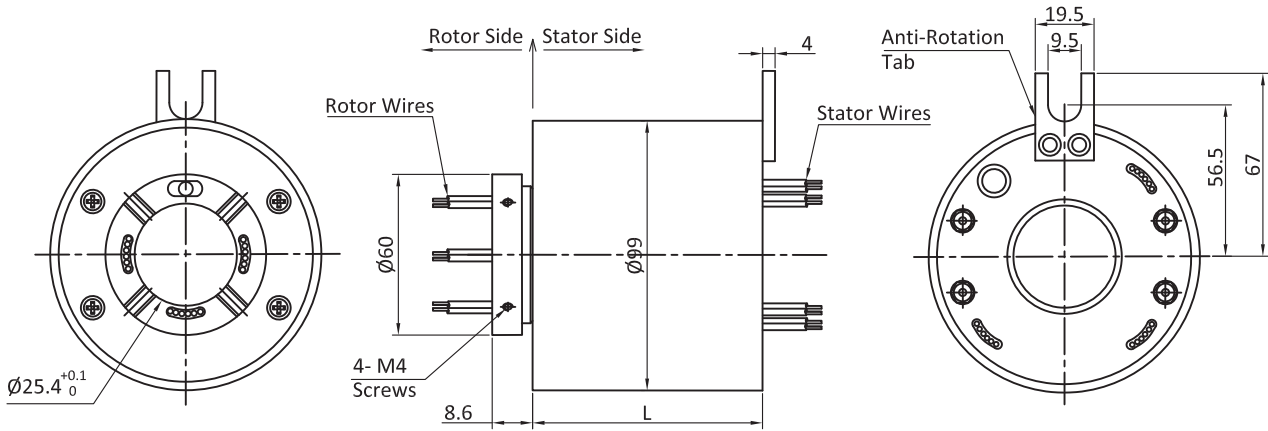
- Splash seals for dust and moisture resistance
- Various axial and radial lead exits are available
- Longer lead lengths are available
- Higher current and voltage capacity per circuit
- Support mixed high speed data transmission
- Hybrid Pneumatic/hydraulic and electric slip ring can be mixed.
- Aviation plug, terminal and heat-shrink tube are optional
- IP 65 rated slip ring available

# INTRODUCE

## COB125

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### COB125 Series Dimensions



**Notes:**

- 1. Drawings not actual size, dimensions are in millimeters

### Part# List

**Notes:** This series slip ring can combine industry bus signal with power / signal, so just send your requires to us, then we will design a suitable solution for you, thank you for your support!

**Lead wire color code(From the rotor)**

Ring#	Color	Description/AWG	Ring#	Color	Description/AWG
1	RED	Signal / AWG22# 10A / AWG16#	7	RED	Signal / AWG22# 10A / AWG16#
2	BLK		8	BLK	
3	BLU		9	BLU	
4	BRN		10	BRN	
5	WHT		11	WHT	
6	GRY		12	GRY	

**Notes:**

6 wires for 1 group color, from 7~12 circuits would repeat the same color.

## COB138 Series Overview

### Description

COB series slip ring is perfect for high speed data transfer, Support all kinds of field bus, such as Profibus, CanBus, CANOPEN, ProfiNET, DeviceNET, Etc. It also can combine with power and signal, shaft and flange mounting for your option.

COB138 broadband slip ring with 38.1mm through bore, 119mm OD, shaft or mounting.



### Specifications

Item	
Operating Speed	Max.500 RPM*
Number of Circuits	2~48 wires
Lead Wire	Bus cable, AWG22#, AWG16# Teflon, 300mm
Voltage	440V AC/DC
Operating Temperature	-40°C to 80°C
Current Rating	Signal / 5A, 10A circuits
Noise	<0.01Ω
Torque	0.1N.m; +0.03N.m/6rings
Housing Material	Al alloy
Protection Grade	IP51

\*Please note that the operational life of the unit is dependent upon rotational speed, environment and temperature

### Options

- Splash seals for dust and moisture resistance
- Various axial and radial lead exits are available
- Longer lead lengths are available
- Higher current and voltage capacity per circuit
- Support mixed high speed data transmission
- Hybrid Pneumatic/hydraulic and electric slip ring can be mixed.
- Aviation plug, terminal and heat-shrink tube are optional
- IP 65 rated slip ring available

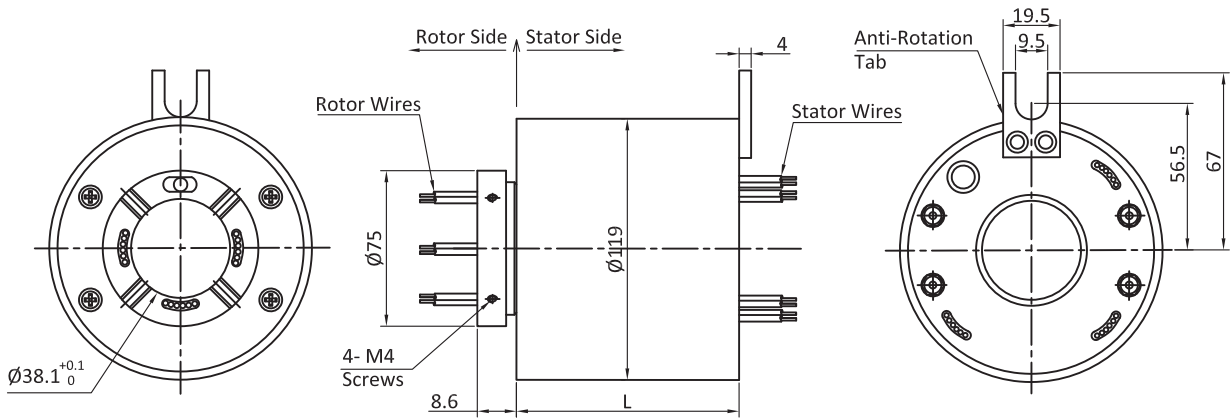


# INTRODUCE

## COB138

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### COB138 Series Dimensions



**Notes:**

- 1. Drawings not actual size, dimensions are in millimeters

## Part# List

**Notes:** This series slip ring can combine industry bus signal with power / signal, so just send your requires to us, then we will design a suitable solution for you, thank you for your support!

**Lead wire color code(From the rotor)**

Ring#	Color	Description/AWG	Ring#	Color	Description/AWG
1	RED	Signal / AWG22# 10A / AWG16#	7	RED	Signal / AWG22# 10A / AWG16#
2	BLK		8	BLK	
3	BLU		9	BLU	
4	BRN		10	BRN	
5	WHT		11	WHT	
6	GRY		12	GRY	

**Notes:**

6 wires for 1 group color, from 7~12 circuits would repeat the same color.

## COB150 Series Overview

### Description

COB series slip ring is perfect for high speed data transfer, Support all kinds of field bus, such as Profibus, CanBus, CANOPEN, ProfiNET, DeviceNET, Etc. It also can combine with power and signal, shaft and flange mounting for your option.

COB150 broadband slip ring with 50mm through bore, 119mm OD, shaft or mounting.



### Specifications

Item	
Operating Speed	Max.300 RPM*
Number of Circuits	2~48 wires
Lead Wire	Bus cable, AWG22#, AWG16# Teflon, 300mm
Voltage	440V AC/DC
Operating Temperature	-40°C to 80°C
Current Rating	Signal / 5A, 10A circuits
Noise	<0.01Ω
Torque	0.1N.m; +0.03N.m/6rings
Housing Material	Al alloy
Protection Grade	IP51

\*Please note that the operational life of the unit is dependent upon rotational speed, environment and temperature

### Options

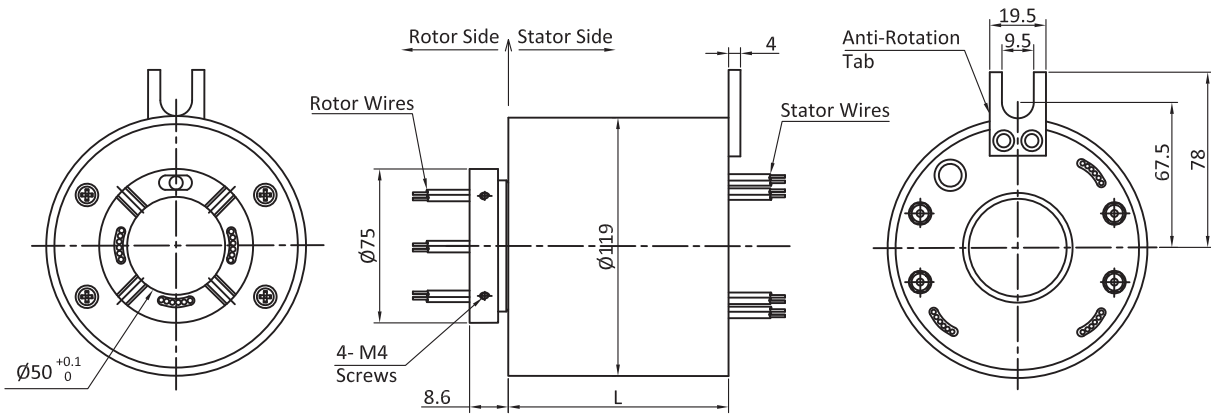
- Splash seals for dust and moisture resistance
- Various axial and radial lead exits are available
- Longer lead lengths are available
- Higher current and voltage capacity per circuit
- Support mixed high speed data transmission
- Hybrid Pneumatic/hydraulic and electric slip ring can be mixed.
- Aviation plug, terminal and heat-shrink tube are optional
- IP 65 rated slip ring available

# INTRODUCE

## COB150

5

### COB150 Series Dimensions



**Notes:**

- 1. Drawings not actual size, dimensions are in millimeters

## Part# List

**Notes:** This series slip ring can combine industry bus signal with power / signal, so just send your requires to us, then we will design a suitable solution for you, thank you for your support!

### Lead wire color code(From the rotor)

Ring#	Color	Description/AWG	Ring#	Color	Description/AWG
1	RED	Signal / AWG22# 10A / AWG16#	7	RED	Signal / AWG22# 10A / AWG16#
2	BLK		8	BLK	
3	BLU		9	BLU	
4	BRN		10	BRN	
5	WHT		11	WHT	
6	GRY		12	GRY	

**Notes:**

6 wires for 1 group color, from 7~12 circuits would repeat the same color.