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Servo Motor Encoders

Product Datasheets & Selection Guide

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Industrial Encoders

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G5810-02

G3806-03

G2803

G2504

S Series · Aviation Plug

S7008

S5810

S3004

S2804

S2504

F Series · Keyed Flange

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F5815-02

F5820

F5810-05

Direct Mount

H10045

UK3508

Optical / Reflective

RS5

RS9100

RS9140

RS970

RS971

RS972

RK

RK_L

RM61

RF20

RF28

RT28

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Bearing Absolute

RZ Series

RZ35

RZ1337A

RZ7810

Bearingless Absolute

RS Series

RSU3506

RSG35

Hollow Shaft Incremental

UZ Series

UZ4809-HS

Solid Shaft Incremental

UZ4809

Magnetic Encoders

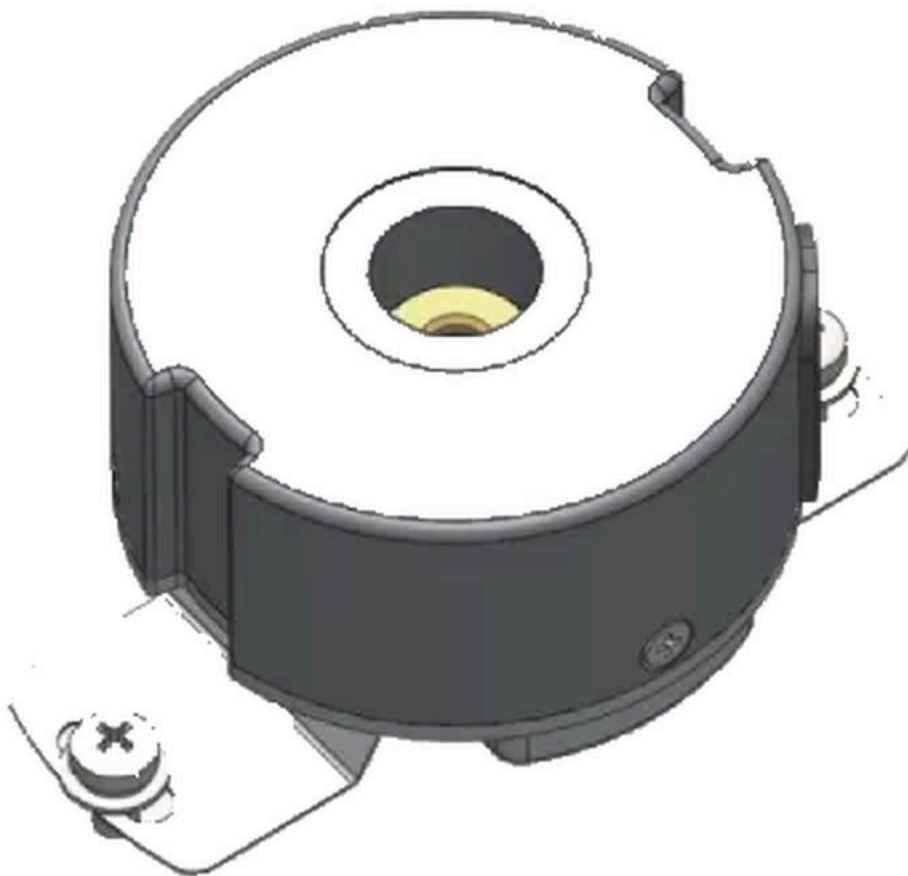
MS Series

INCREMENTAL · HOLLOW-SHAFT · DIFFERENTIAL

OD: Ø35-48 mm

UZ Series

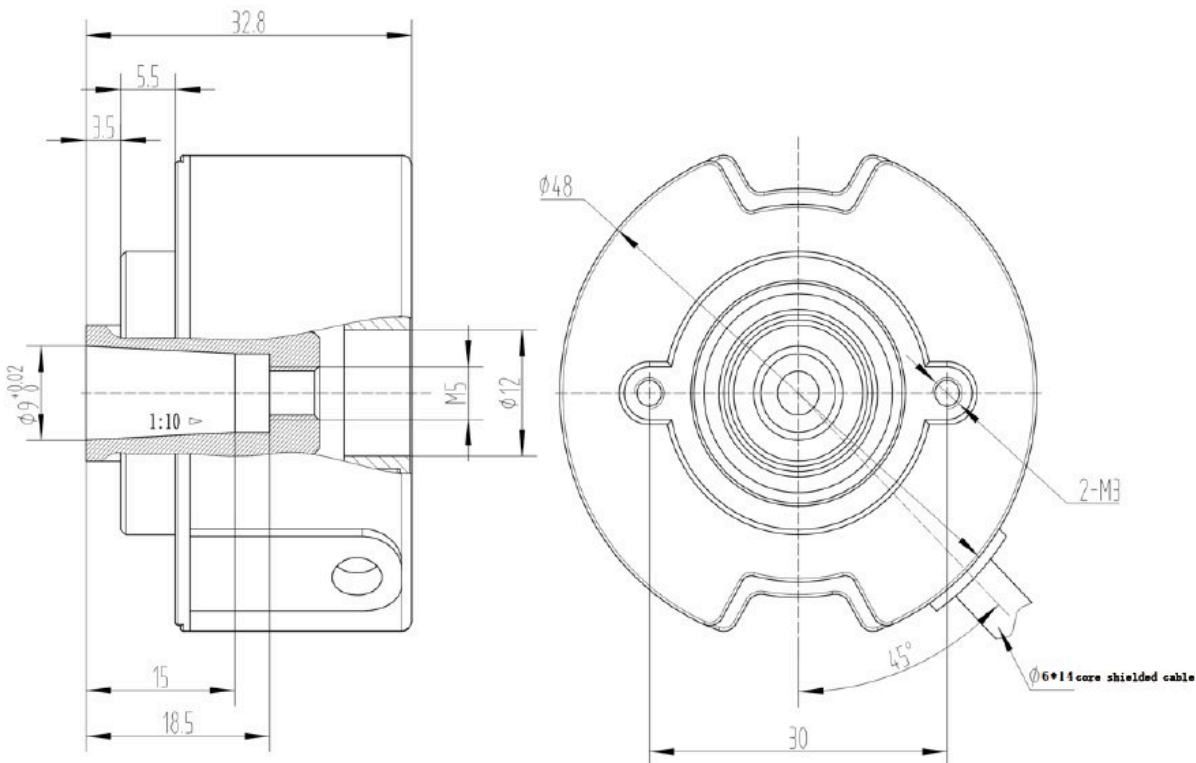
Bearing incremental encoder with differential output, 1000–5000 CPR, designed for hollow-shaft motor integration.



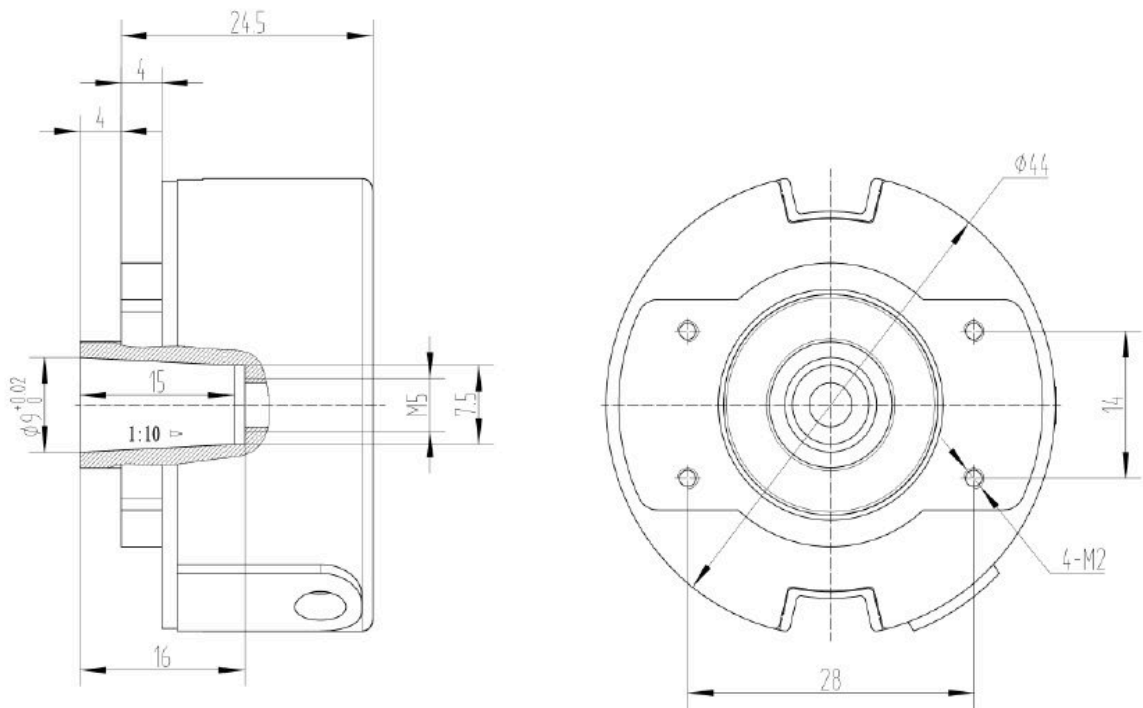
KEY SPECIFICATIONS

Channels	Differential A, B, Z
CPR Options	1000 / 1024 / 2000 / 2048 / 2500 / 5000
Count Frequency	Up to 500 kHz
Supply Voltage	5V DC
Output Method	Differential
Operating Temp	-20°C ~ +105°C

MECHANICAL DIMENSION

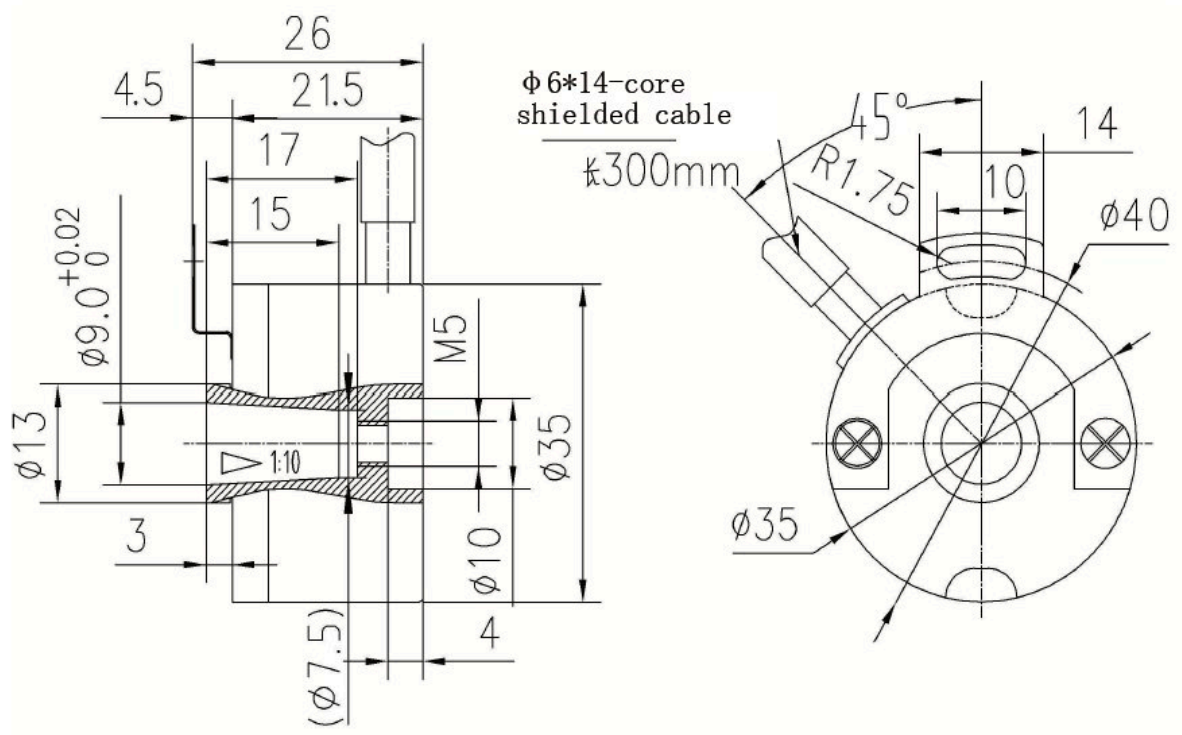


UZ4809 Mechanical Dimension Drawing

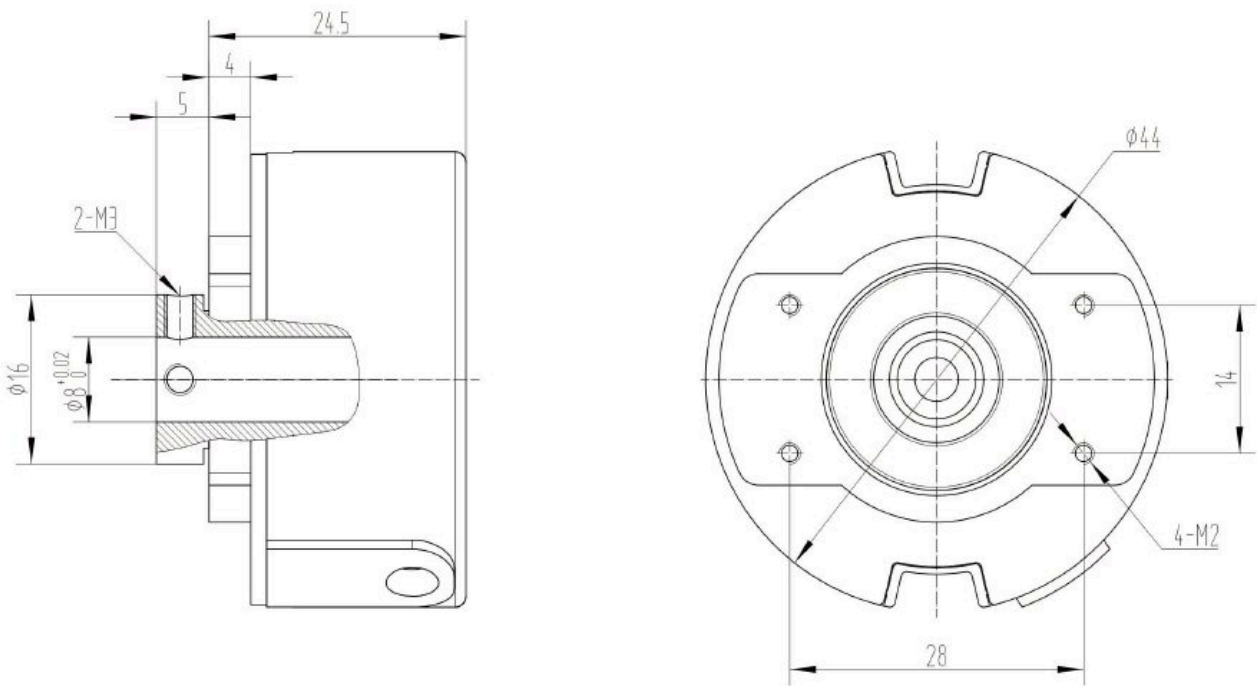


UZ4409 Mechanical Dimension Drawing

MECHANICAL DIMENSION (CONTINUED)

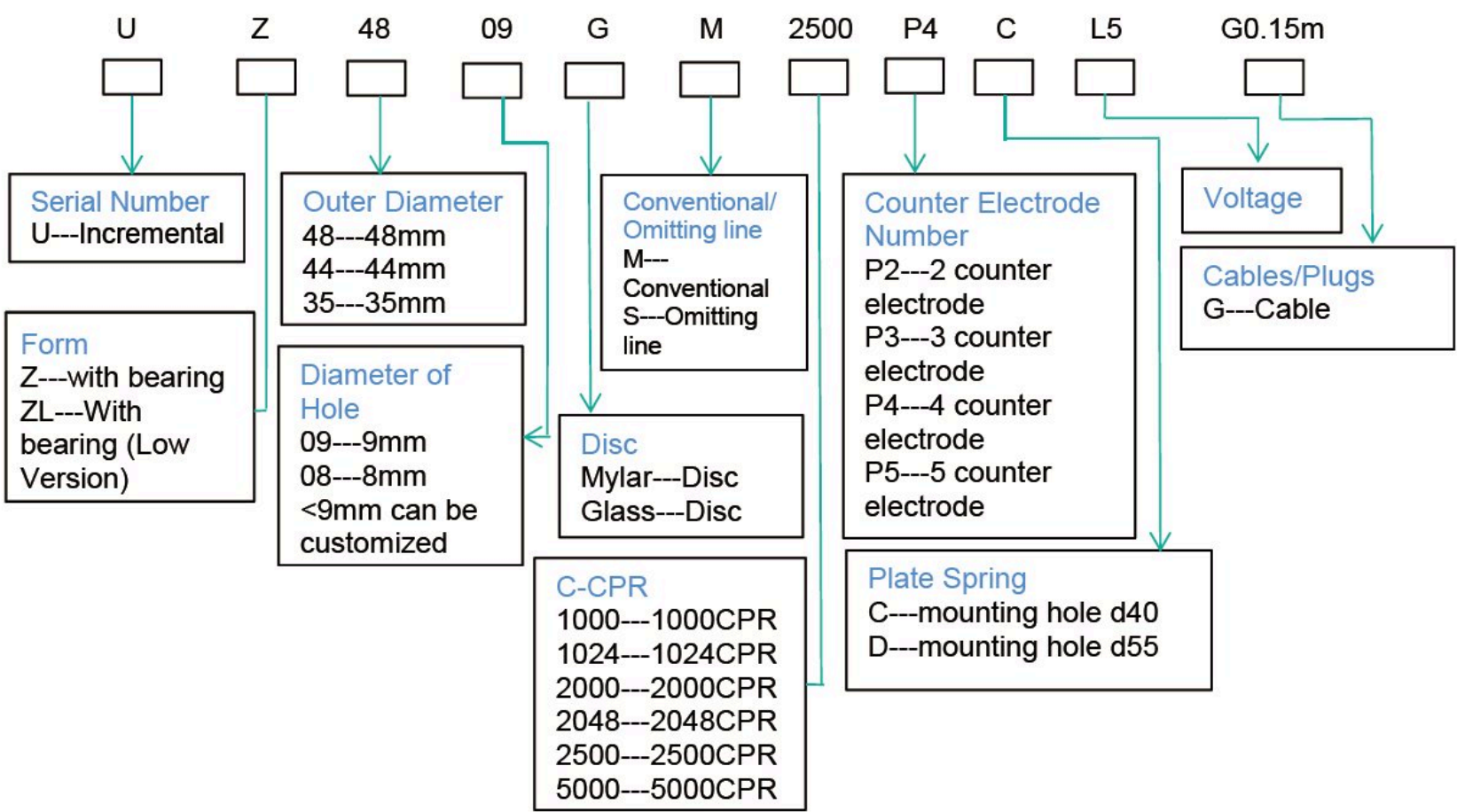


UZ3509 Mechanical Dimension Drawing



UZ4408 Mechanical Dimension Drawing

ORDERING INFORMATION



INCREMENTAL · SOLID-SHAFT · 6-CH DIFFERENTIAL

Shaft: Ø8 mm

UZ4809 Series

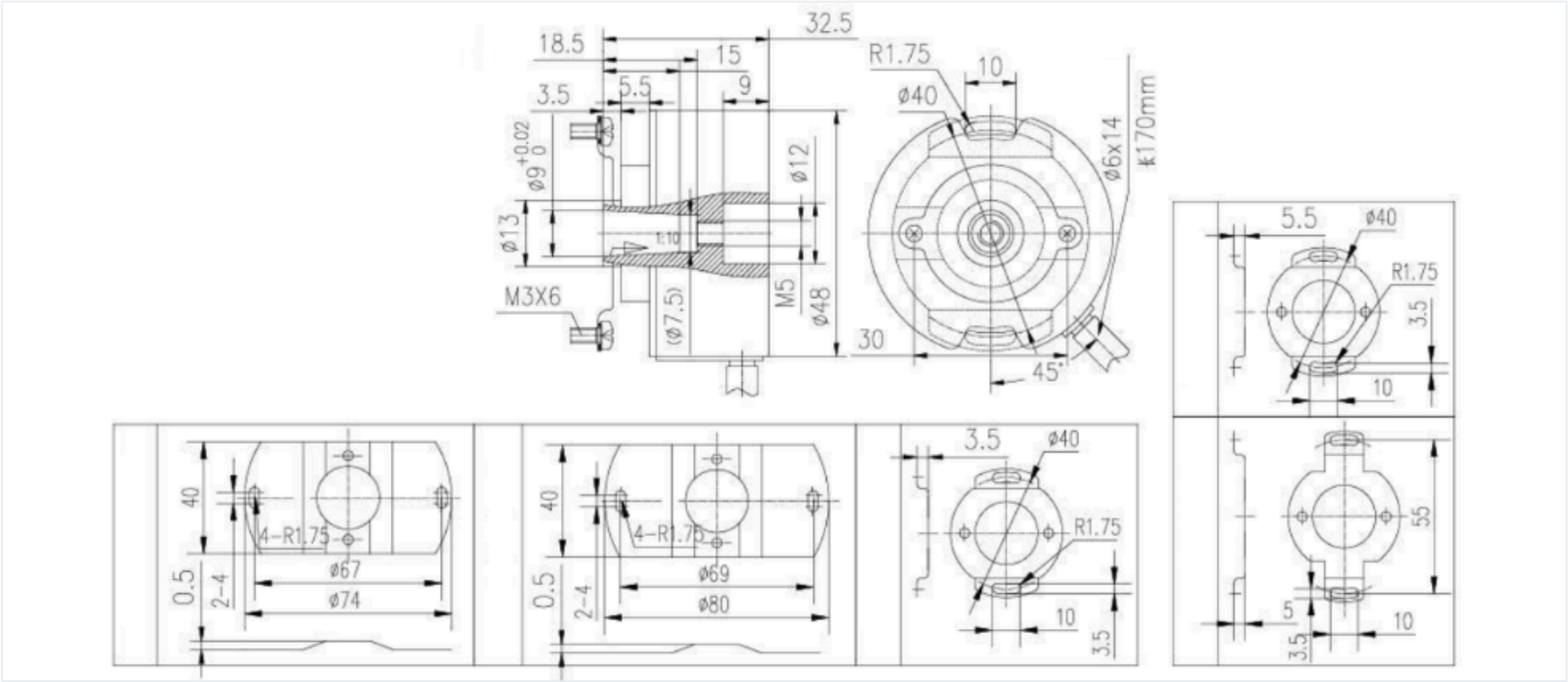
Solid shaft incremental encoder with ASIC phase array chip, 6-channel output (A/B/Z + U/V/W), 50–3600 CPR, tapered shaft design.



KEY SPECIFICATIONS

Channels	A, B, Z + U, V, W (6-CH)
CPR Options	50 / 100 / 120 / 125 / 150 / 180 / 200 / 250 / 256 / 300 / 360 / 400 / 500 / 512 / 600 / 720 / 800 / 900 / 1000 / 1024 / 1200 / 1800 / 2000 / 2048 / 2400 / 2500 / 3000 / 3600
Response Frequency	0–500 kHz
Supply Voltage	5V DC / 5–24V
Output Method	C=NPN / CP=PNP / T=Voltage / F=Comp. / L=26LS31 / K=7272
Operating Temp	-30°C ~ +85°C

MECHANICAL DIMENSION



ORDERING INFORMATION

UZ4809	-	□	Z	-	□	-	□	-	□	□
Product Model	Number of Pulses	Number of Phases	Output Method	Power Supply Voltage	Cable Outlet Method	Length				
Number of Pulses: 50, 100, 120, 125, 150, 180, 200, 250, 256, 300, 360, 400, 500, 512, 600, 720, 800, 900, 1000 , 1024, 1200, 1800, 2000 , 2048, 2400, 2500, 3000 , 3600 p/r (or as per customer requirements).		Output Method: C = Open-collector NPN CP = Open-collector PNP T = Voltage Output F = Complementary Output L = 26LS31 Differential Output K = 7272 Wide Voltage Output		Power Supply Voltage: 5 = 5V 24 = 5-24V H = 5-24V Input, 5V Output L = 5V Input, 5-24V Output		Cable Outlet Method: D = Metal Side Outlet G = Rubber Side Outlet H = Socket Side Outlet F = Rubber Rear Outlet		Cable Length: 0.17 = 0.17 meters 1 = 1 meter 2 = 2 meters		

ABSOLUTE · BEARING · RS485 · 17/23-BIT

OD: Ø44-48 mm

RZ Series

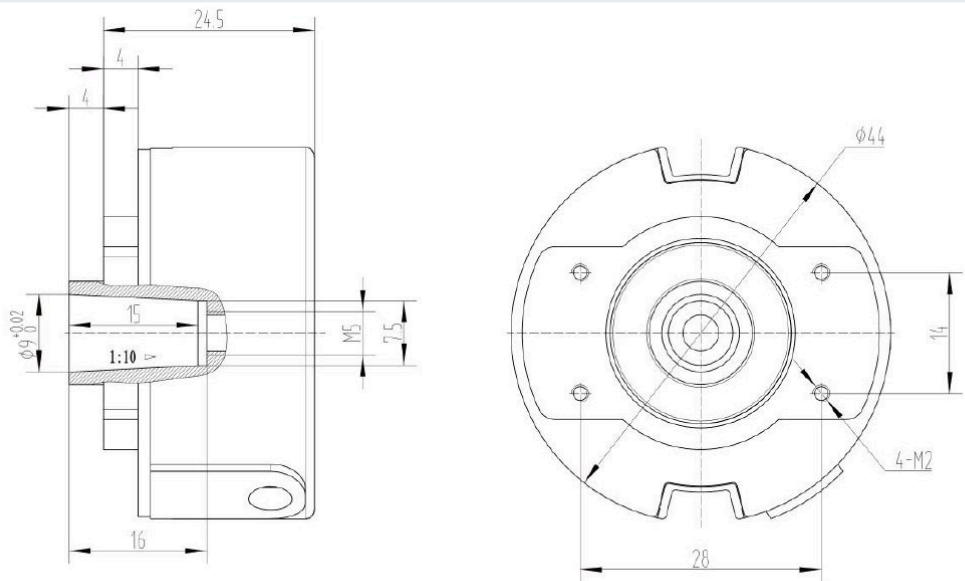
Hollow-shaft bearing absolute encoder with RS485 interface, 17/23-bit resolution, 16-bit multi-turn, pseudo multi-turn and single-turn options.



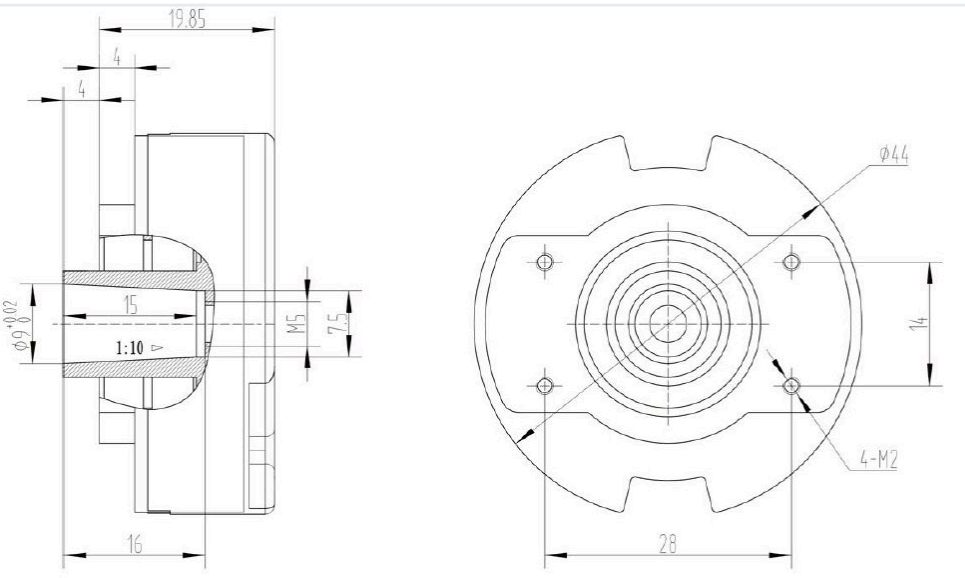
KEY SPECIFICATIONS

Resolution	131,072 (17-bit) / 8,388,608 (23-bit)
Multi-Turn	16-bit / Pseudo 16-bit / Single-turn
Interface	RS485 / SSI / BISS (customizable*)
Supply Voltage	5V DC (single supply)
Baud Rate	2.5 MHz
Operating Temp	-20°C ~ +105°C

MECHANICAL DIMENSION

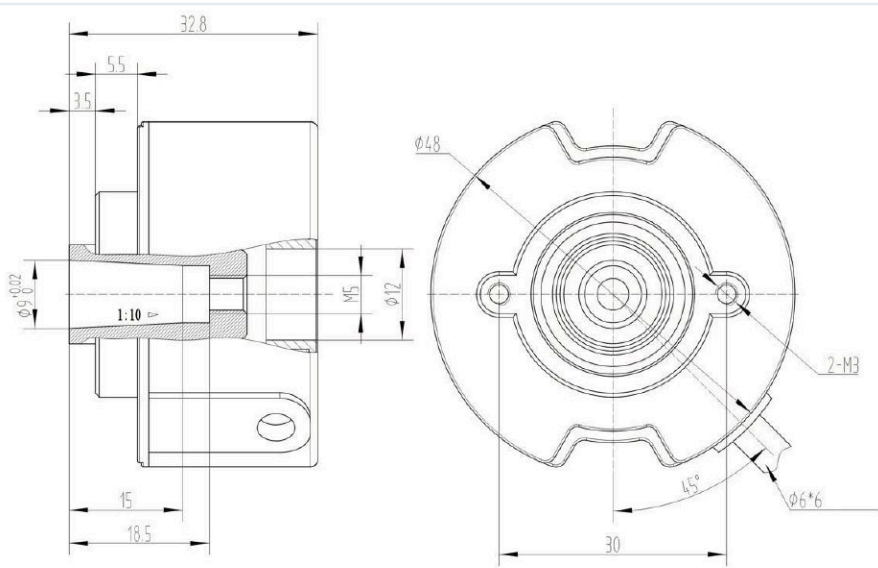


RZH4409A Mechanical Dimension Drawing



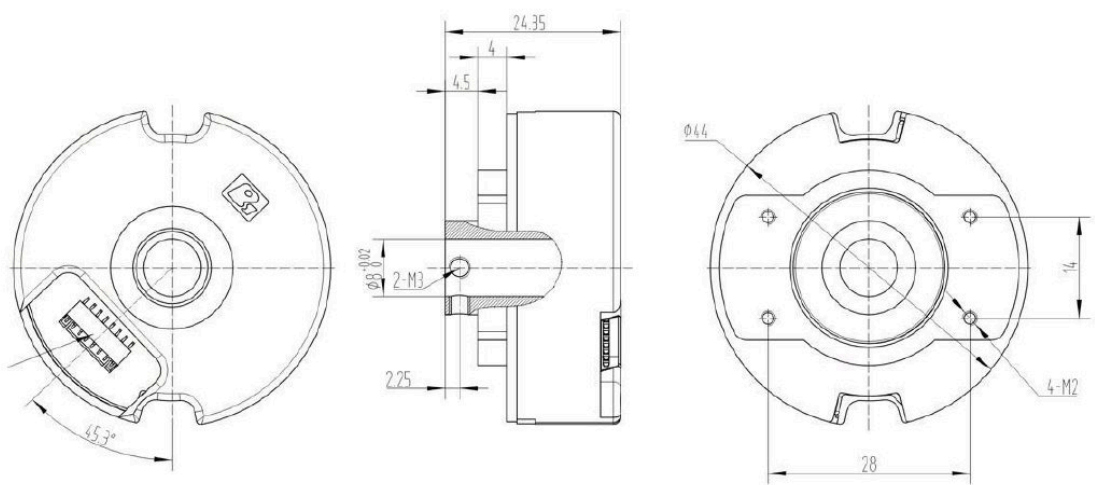
RZL4409A Mechanical Dimension Drawing

MECHANICAL DIMENSION



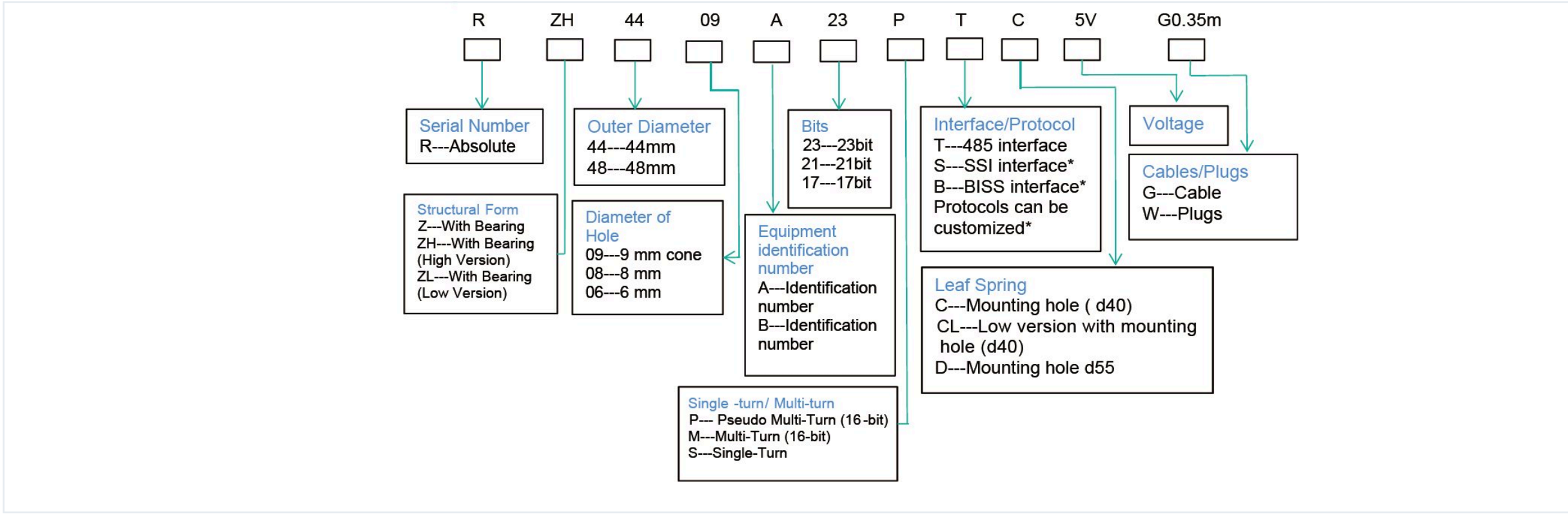
RZ4809A Mechanical Dimension Drawing

MECHANICAL DIMENSION (CONTINUED)



RZL4408A Mechanical Dimension Drawing

ORDERING INFORMATION



ABSOLUTE · BEARING · RS485 · 17/23-BIT

OD: Ø35 mm

RZ35 Series

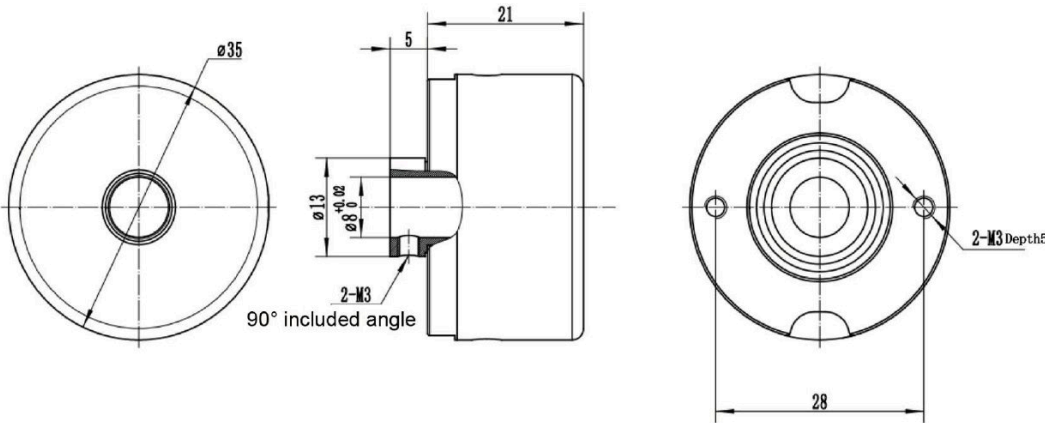
Bearing absolute encoder for servo-driven control systems. Provides accurate position and speed feedback with RS485 interface, 17/23-bit resolution and 16-bit multi-turn.



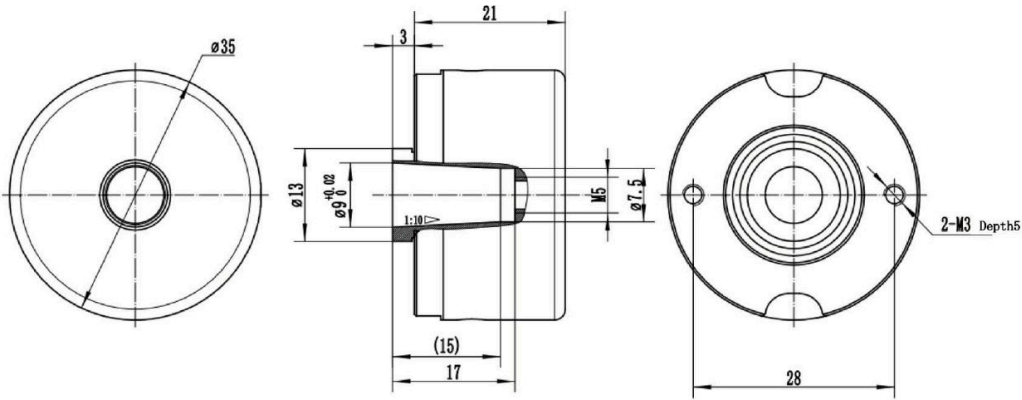
KEY SPECIFICATIONS

Resolution	131,072 (17-bit) / 8,388,608 (23-bit)
Multi-Turn	16-bit / Pseudo 16-bit / Single-turn
Interface	RS485 / SSI / BISS (customizable*)
Supply Voltage	5V DC (single supply)
Baud Rate	2.5 MHz
Operating Temp	-20°C ~ +105°C

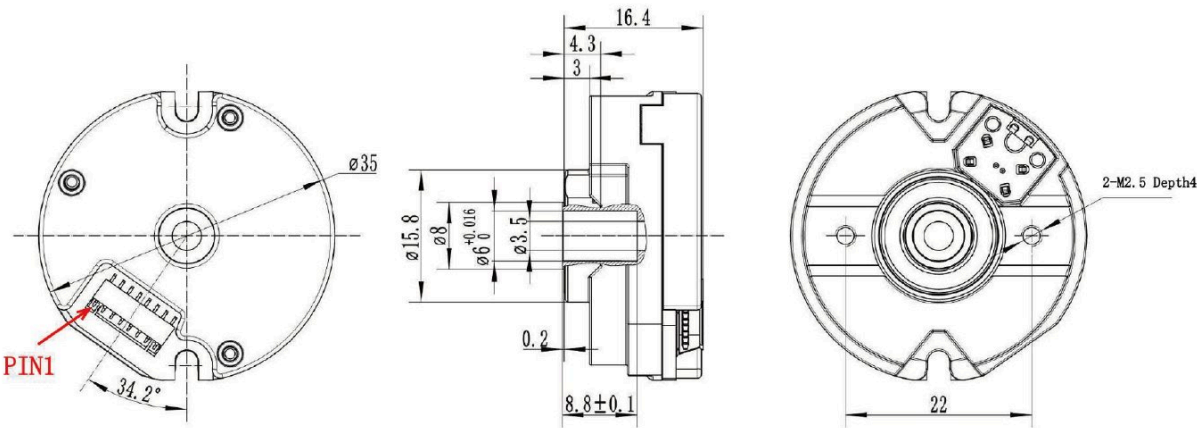
MECHANICAL DIMENSION



RZ35A08 Mechanical Dimension Drawing

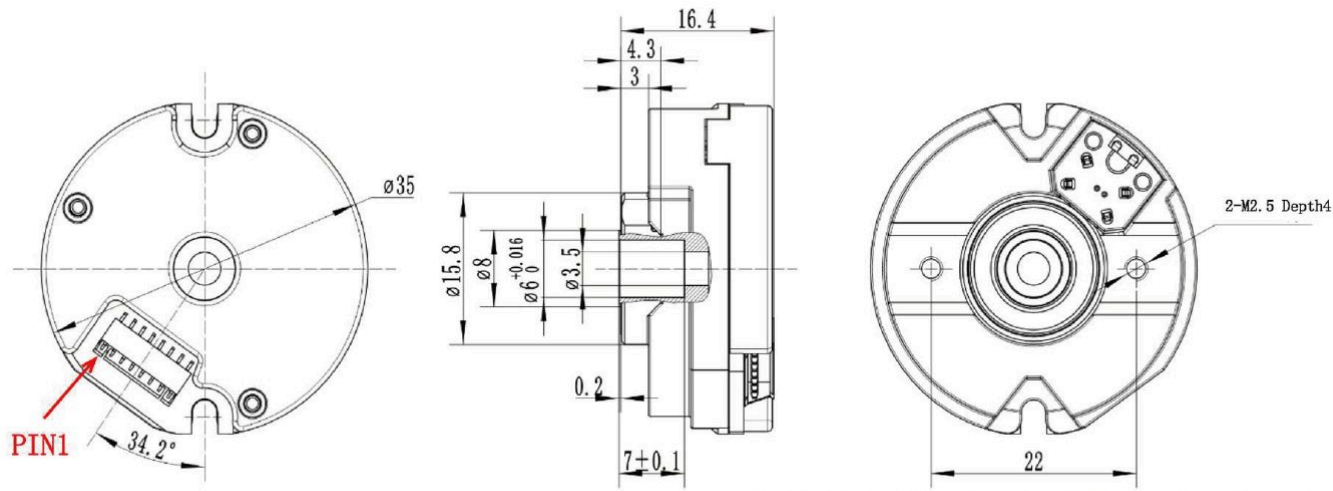


RZ35A09 Mechanical Dimension Drawing

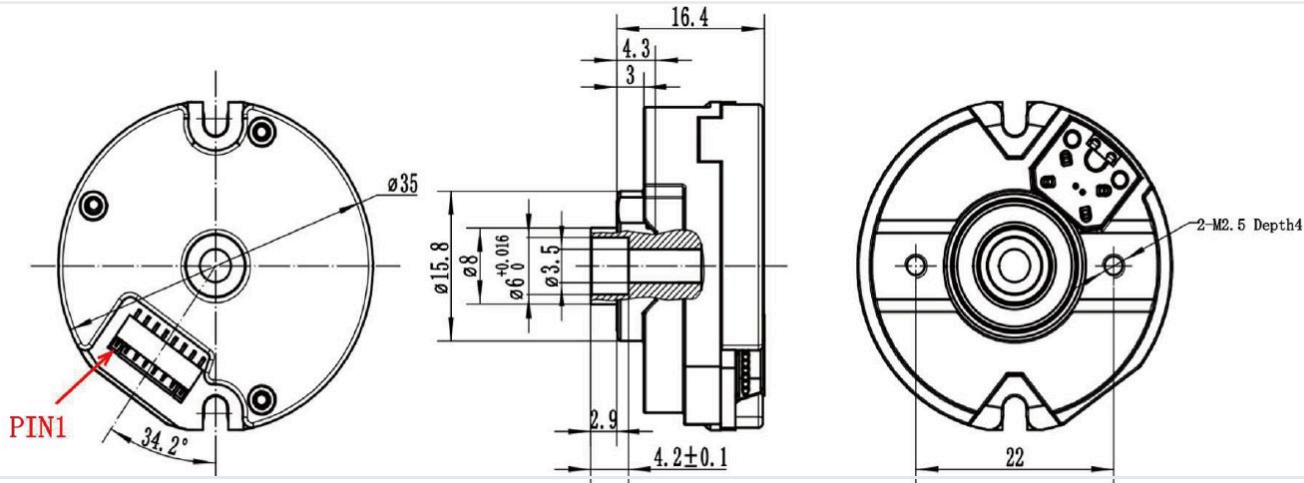


RZ35D06Q Mechanical Dimension Drawing

MECHANICAL DIMENSION (CONTINUED)

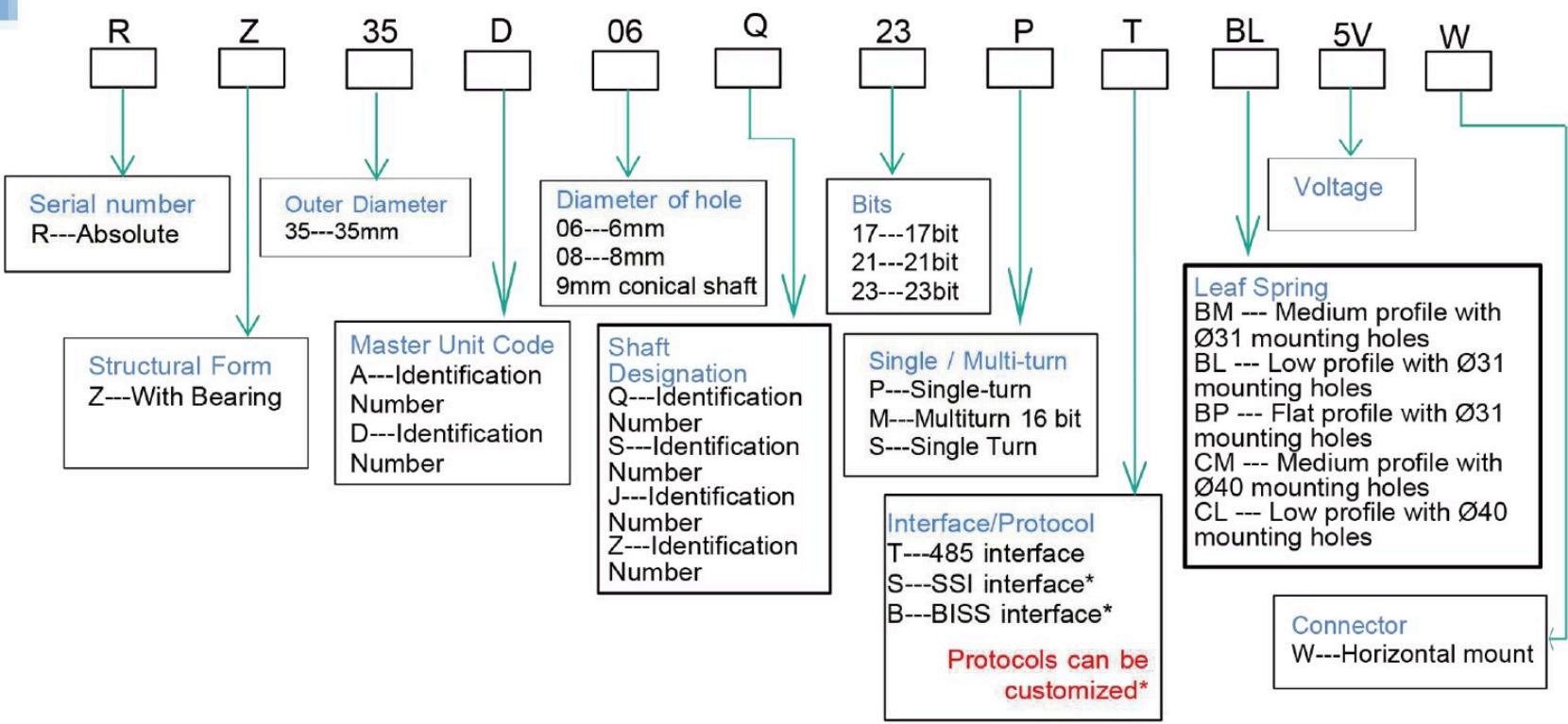


RZ35D06J Mechanical Dimension Drawing



RZ35D06S Mechanical Dimension Drawing

ORDERING INFORMATION

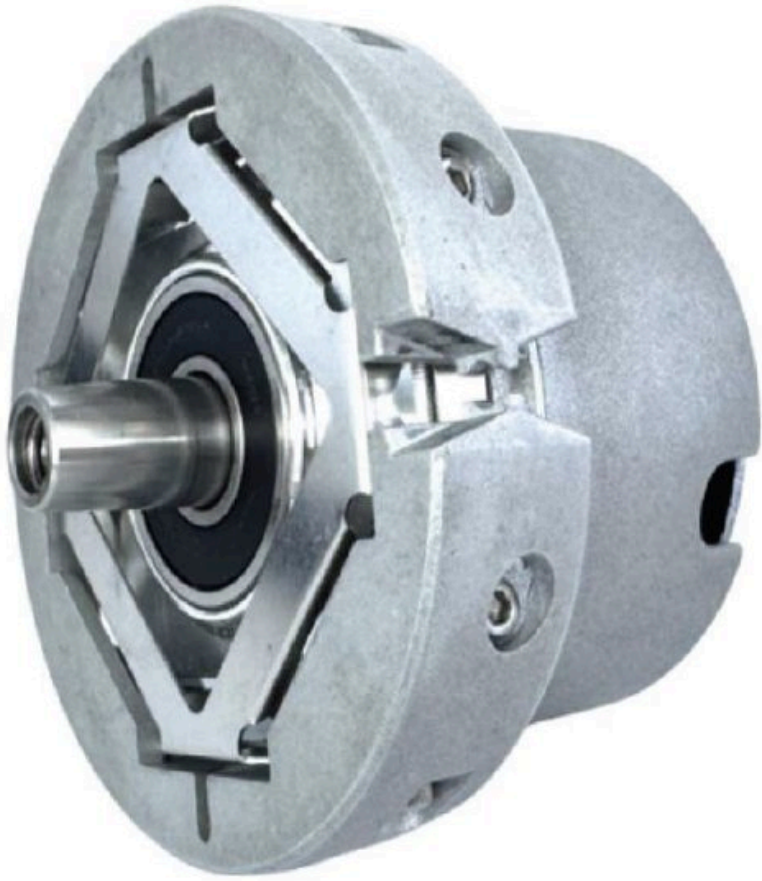


ABSOLUTE · BEARING · RS485 · 25-BIT

OD: Ø53 mm

RZ1337A Series

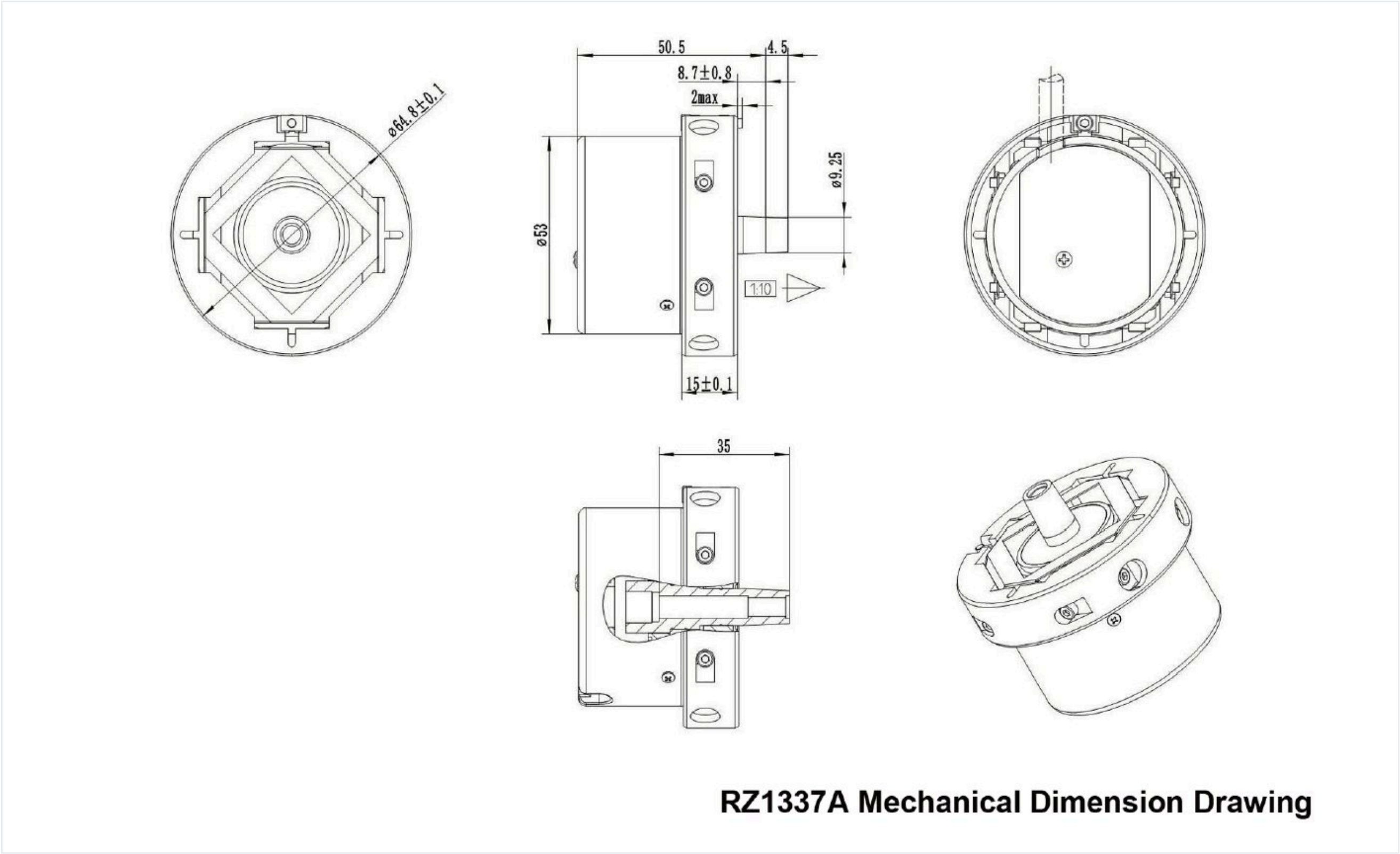
Bearing absolute encoder for servo-driven control systems. Provides accurate position and speed feedback with RS485 interface, 16-bit multi-turn counting, 25-bit resolution, and speeds up to 12,000 rpm.



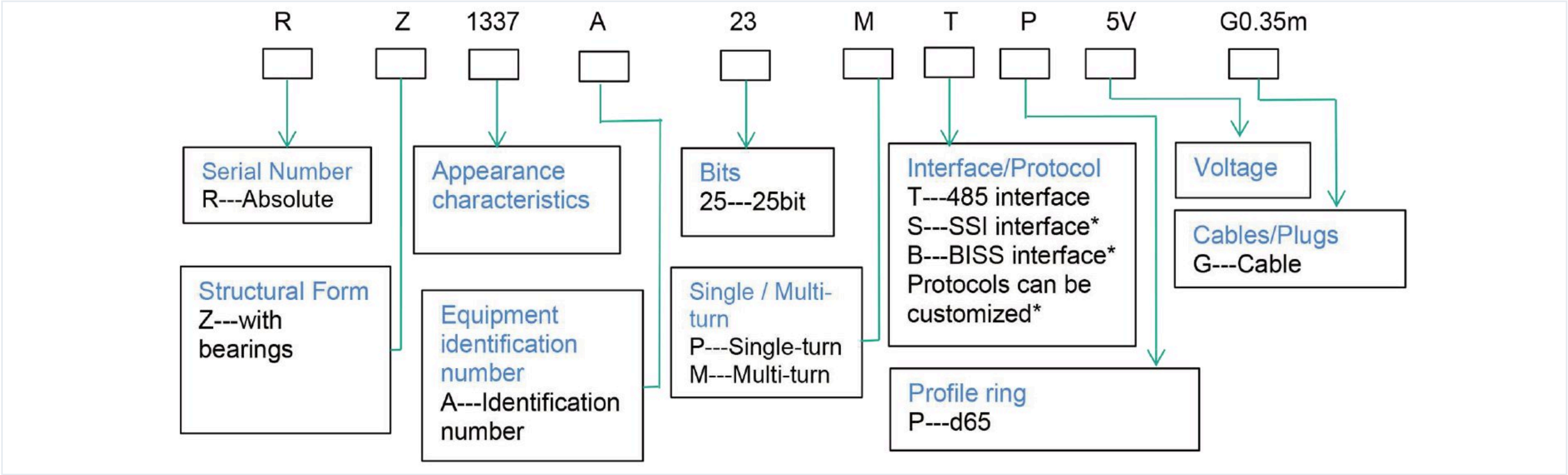
KEY SPECIFICATIONS

Resolution	33,554,432 (25-bit)
Multi-Turn	16-bit
Interface	RS485
Supply Voltage	5V DC
Baud Rate	2.5 MHz
Operating Temp	-20°C ~ +110°C

MECHANICAL DIMENSION



ORDERING INFORMATION

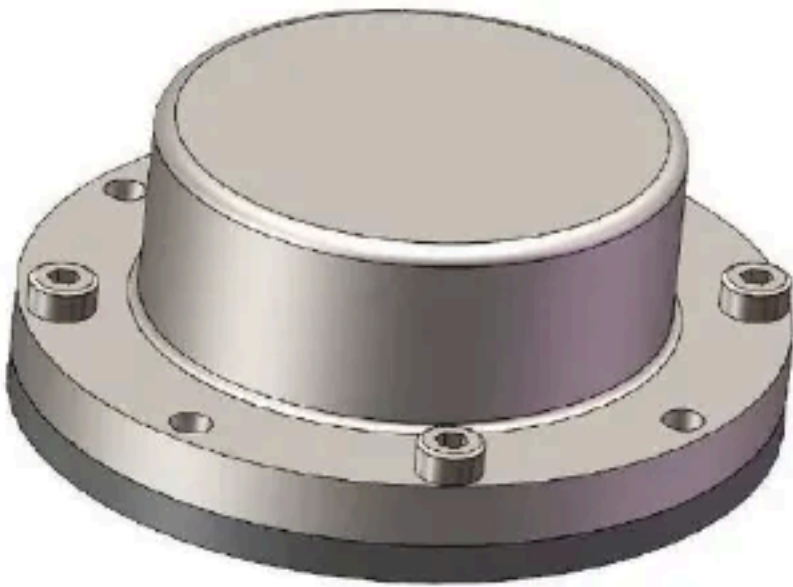


ABSOLUTE · BEARING · RS485 · 23~25-BIT

OD: Ø78 mm

RZ7810 Series

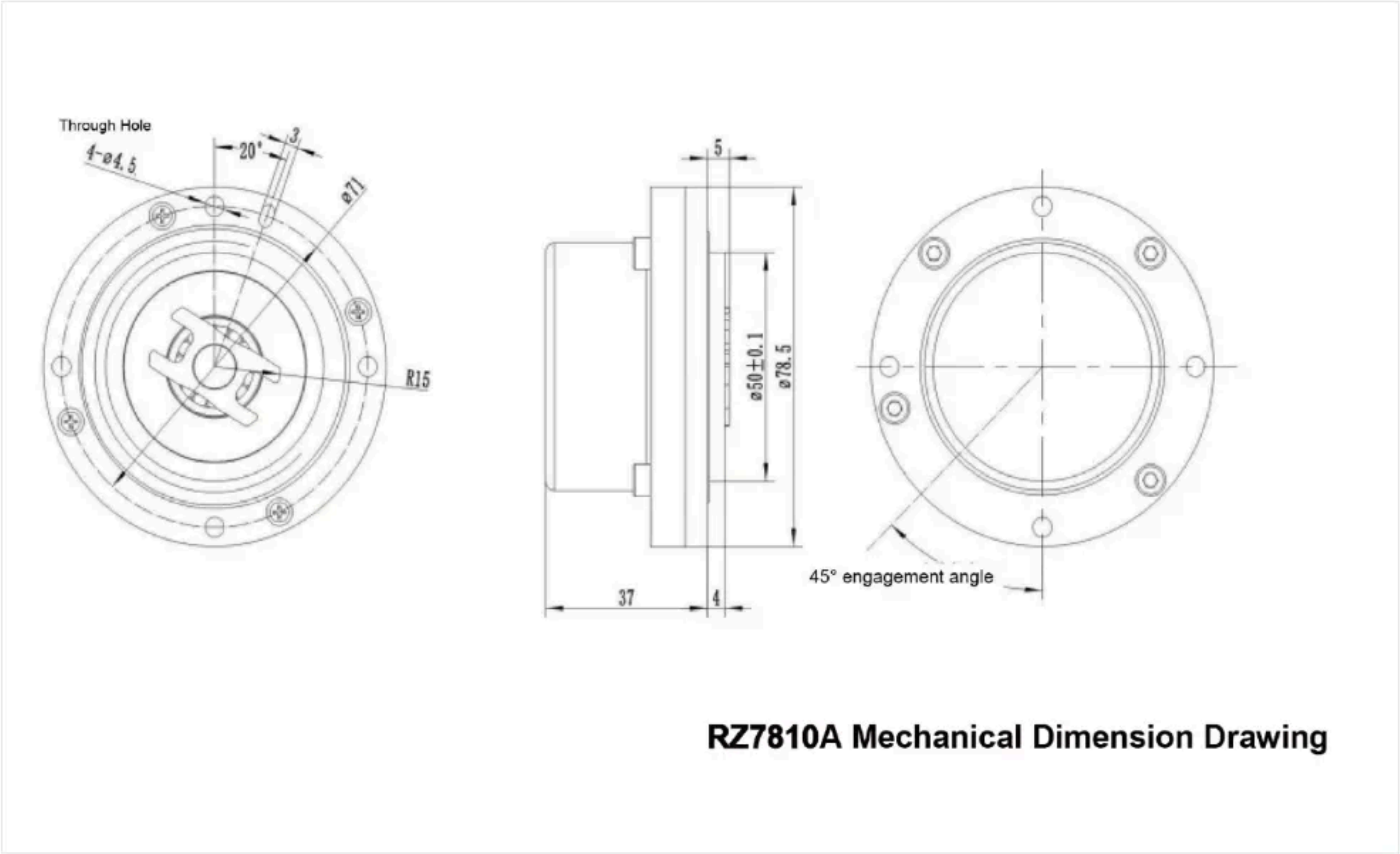
78 mm bearing absolute encoder for servo-driven control systems. Provides accurate absolute position and speed feedback with RS485 interface and 23~25-bit resolution (8,388,608~33,554,432).



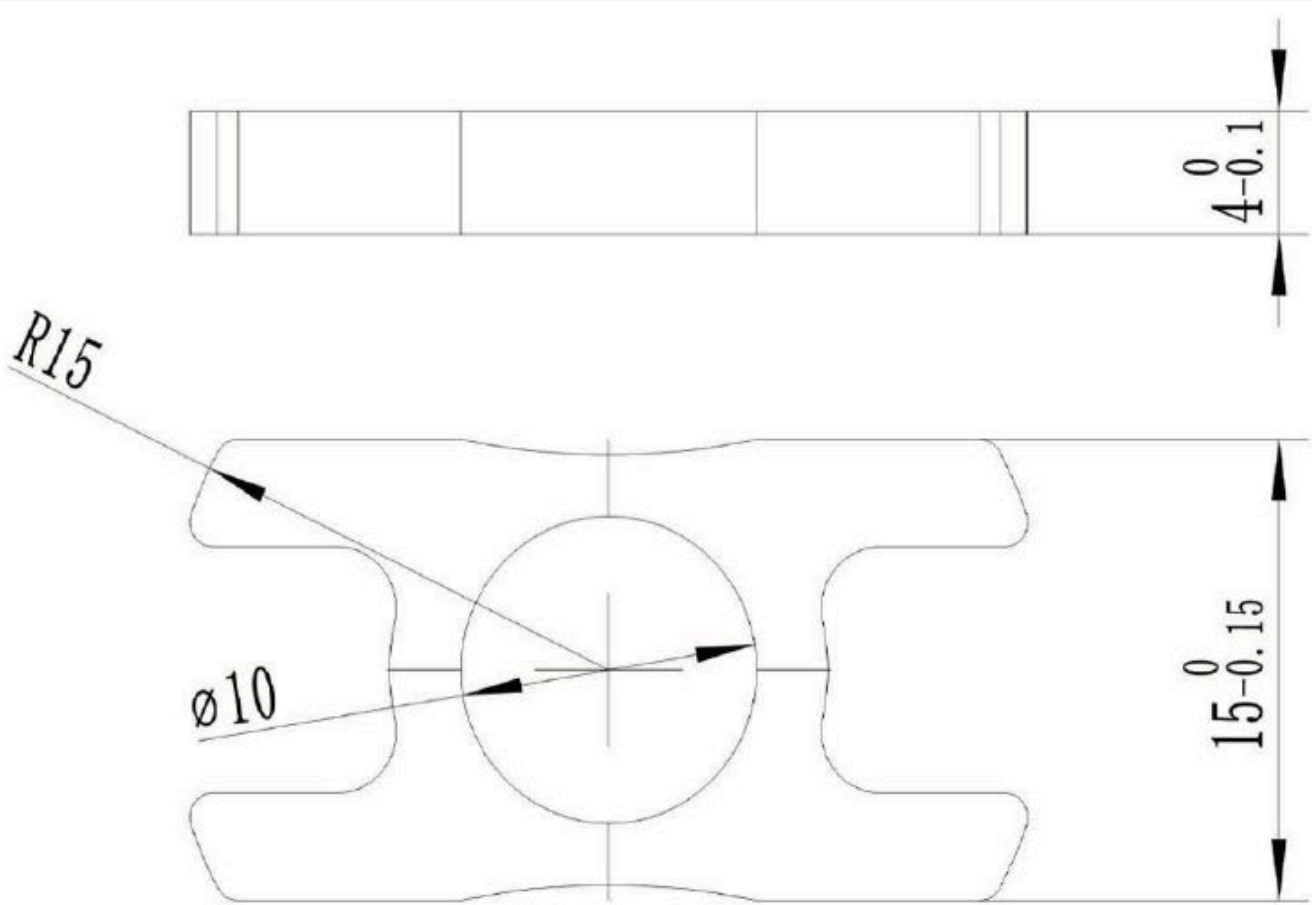
KEY SPECIFICATIONS

Resolution	8,388,608~33,554,432 (23~25-bit)
Multi-Turn	16-bit
Interface	RS485
Supply Voltage	5V DC
Baud Rate	2.5 MHz
Operating Temp	-20°C ~ +105°C

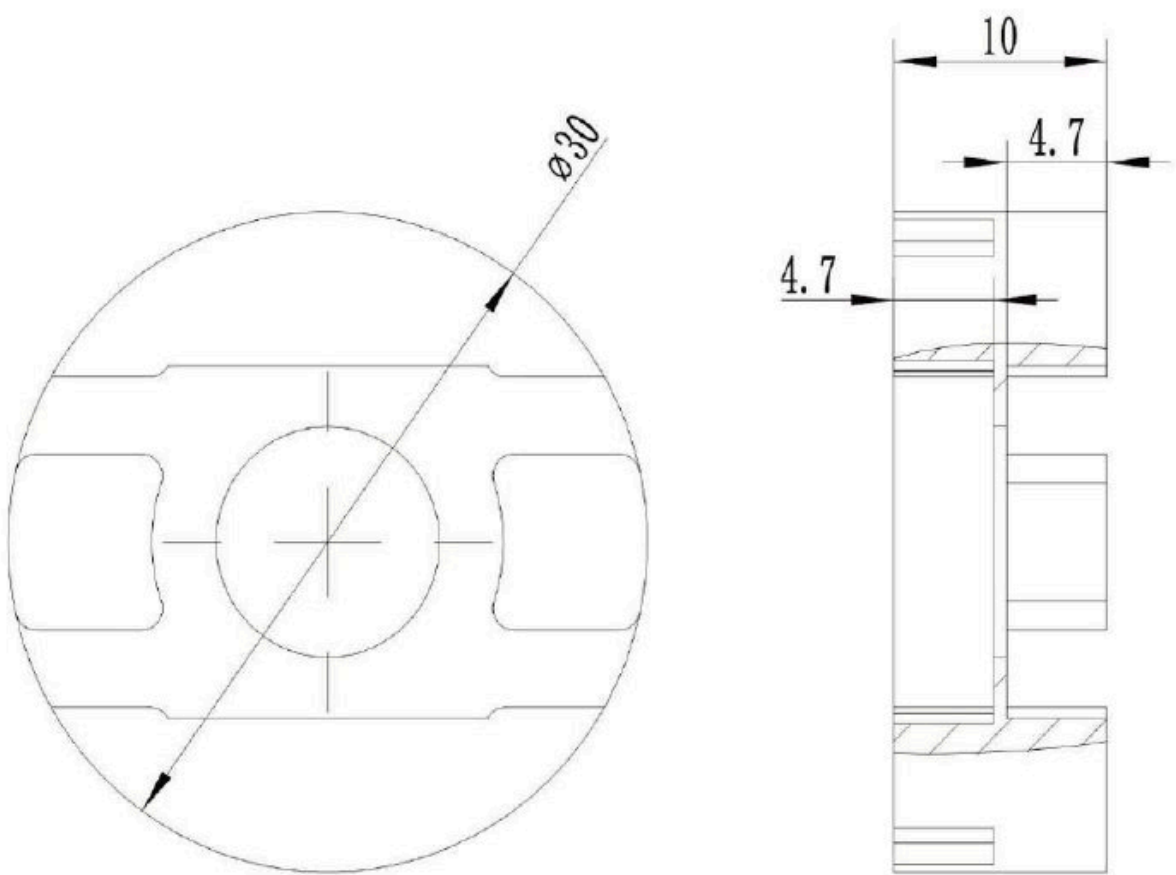
MECHANICAL DIMENSION



MECHANICAL DIMENSION

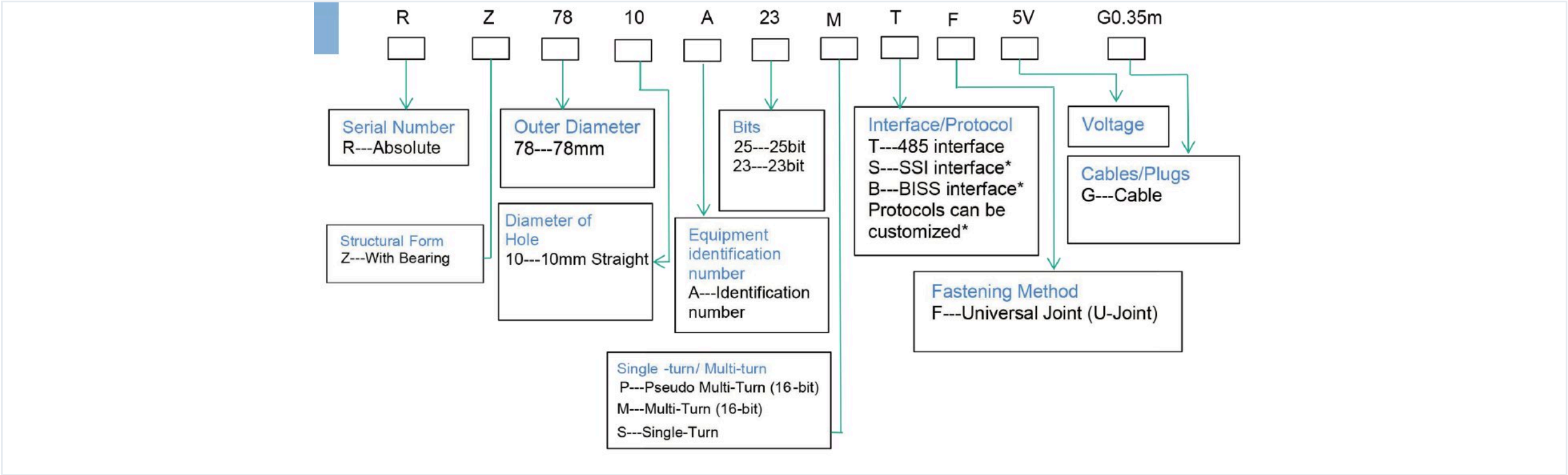


MD1510-701A Mechanical Dimension Drawing

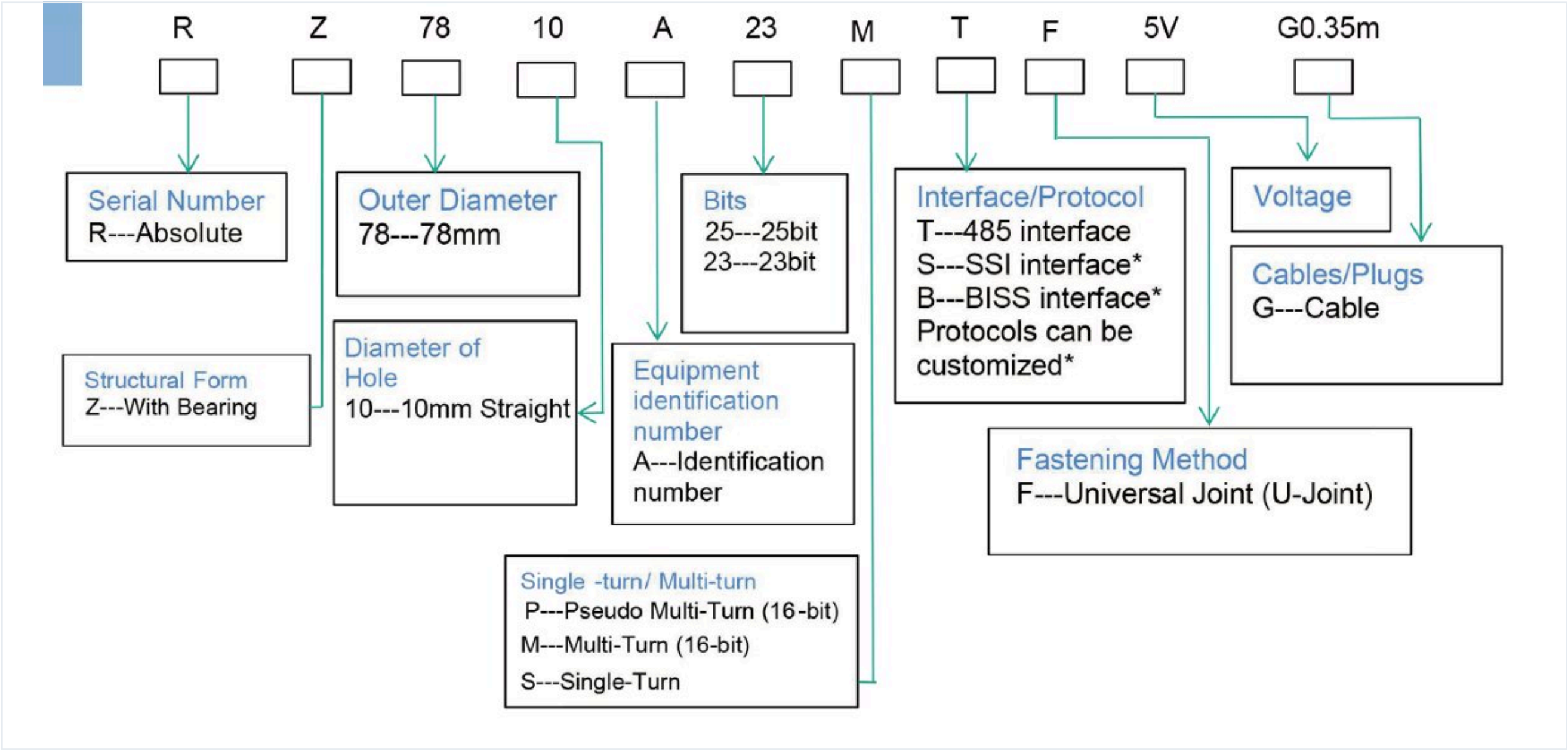


MN3010-701A Mechanical Dimension Drawing

ORDERING INFORMATION



ORDERING INFORMATION

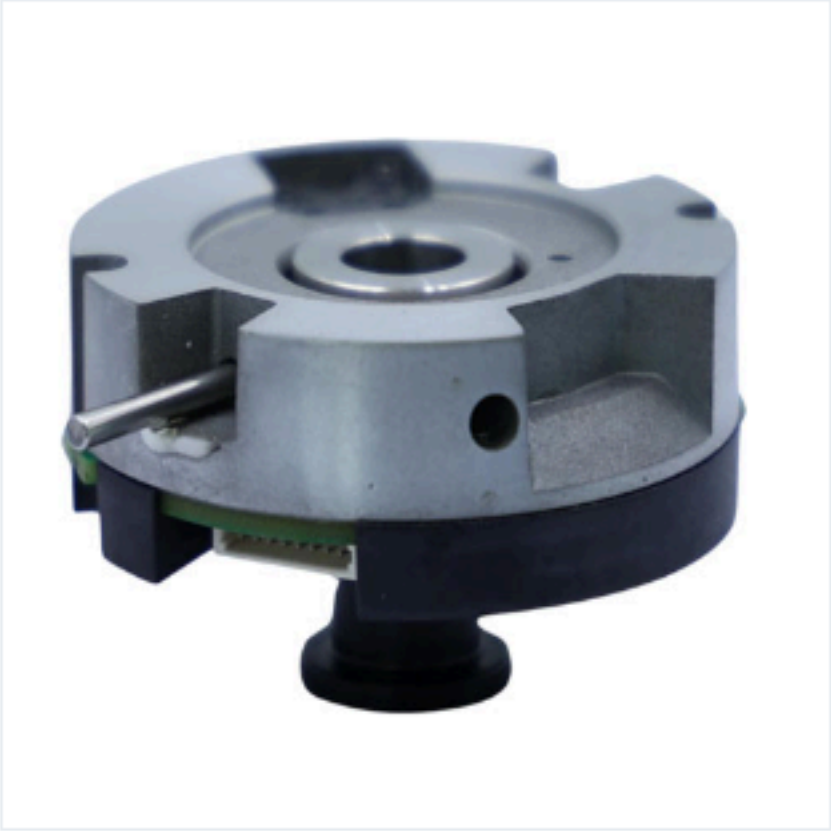


BEARINGLESS · ABSOLUTE · RS485 · 17/21/23-BIT

Bore: Ø6 / Ø8 mm

RS Series

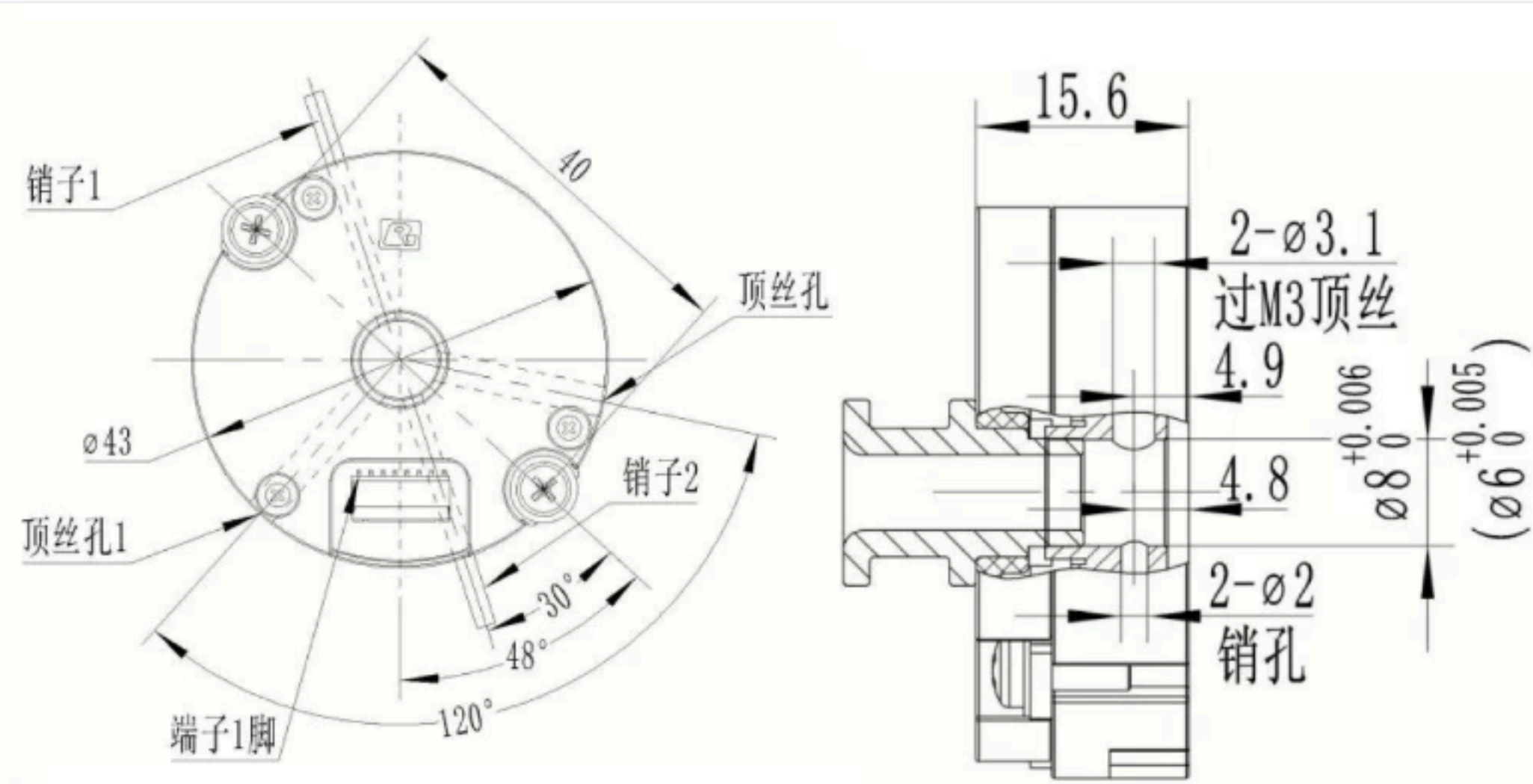
Bearingless absolute encoder for hollow-shaft servo applications, delivering high-resolution absolute position and speed feedback to servo-driven control systems for precise motion control.



KEY SPECIFICATIONS

Resolution	131,072 / 2,097,152 / 8,388,608 (17/21/23-bit)
Interface	RS485 / BiSS (customizable*)
Supply Voltage	5V DC
Bore Diameter	Ø6 / Ø8 mm
Multi-Turn	16-bit
Operating Temp.	-20°C ~ +105°C
Degree of Protection	IP40
Max. Operating Speed	6000 rpm

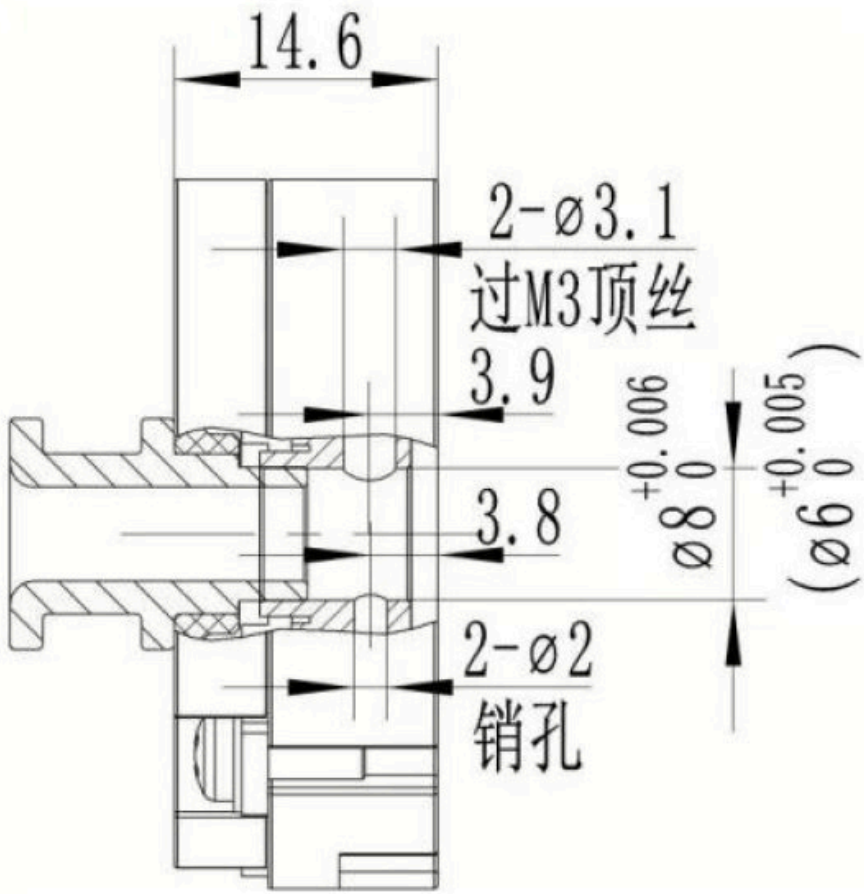
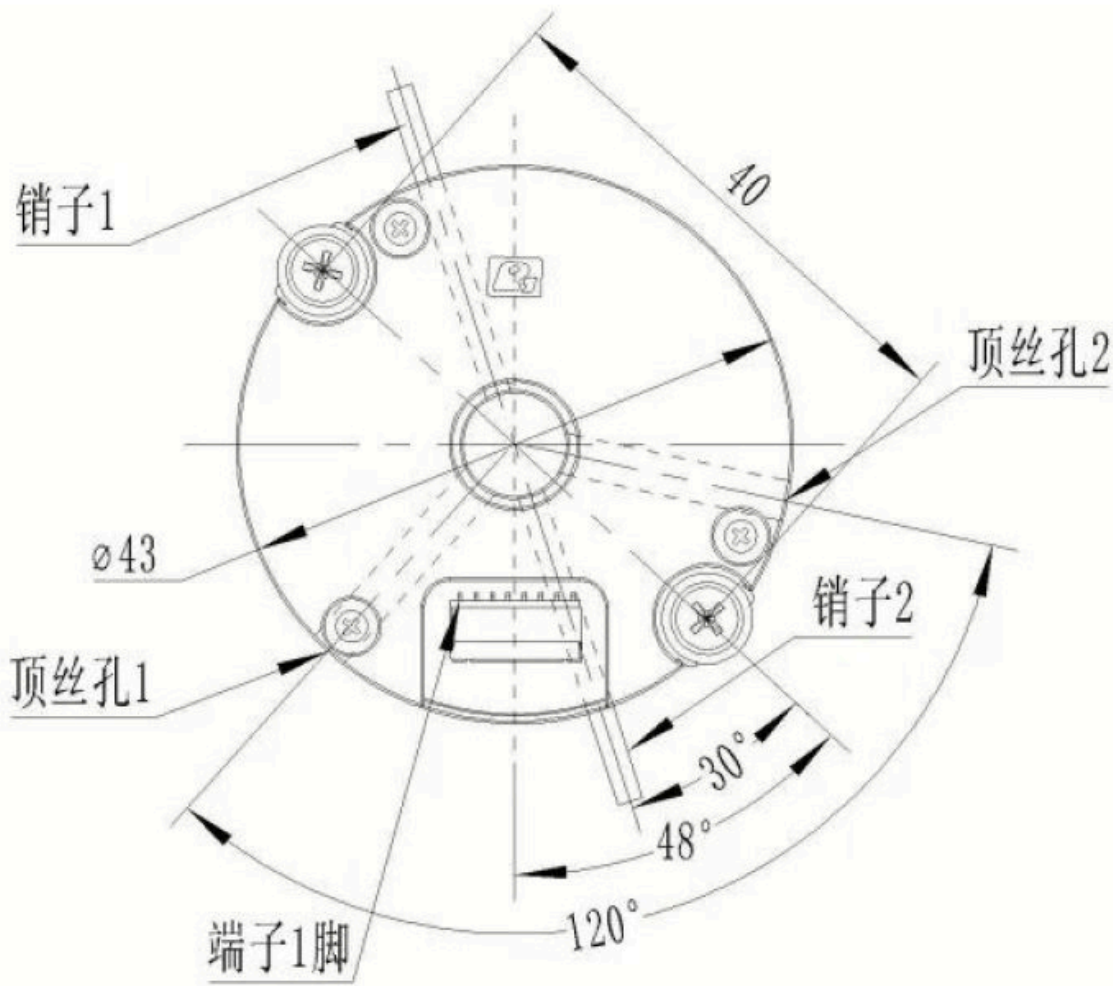
MECHANICAL DIMENSION



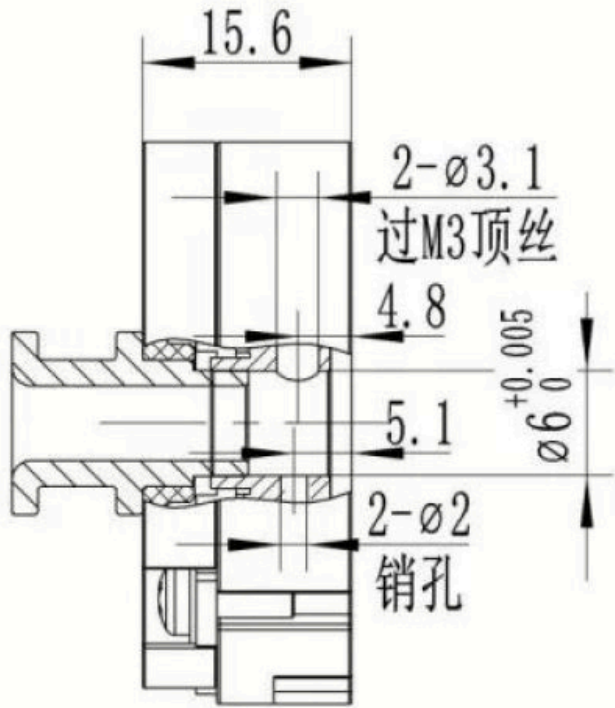
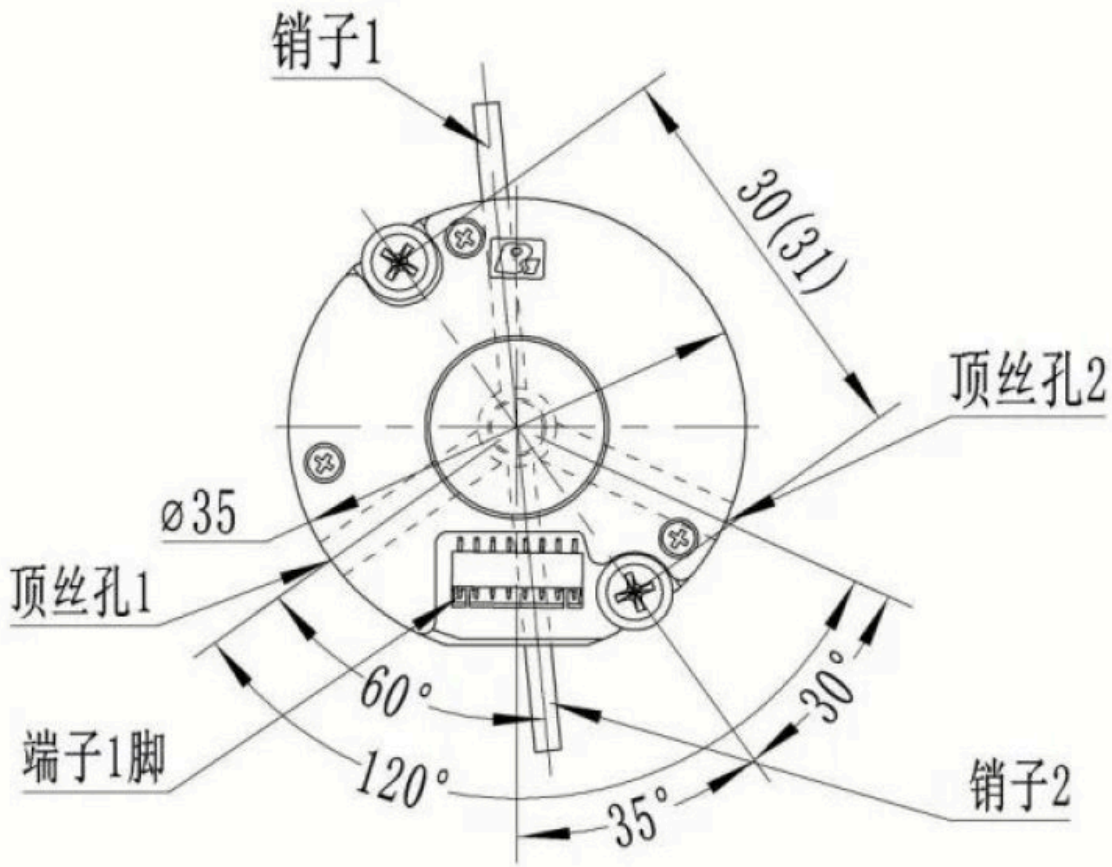
Note: Socket model SH1.0-8PWB

RSH4308/06 Mechanical Dimension Drawing

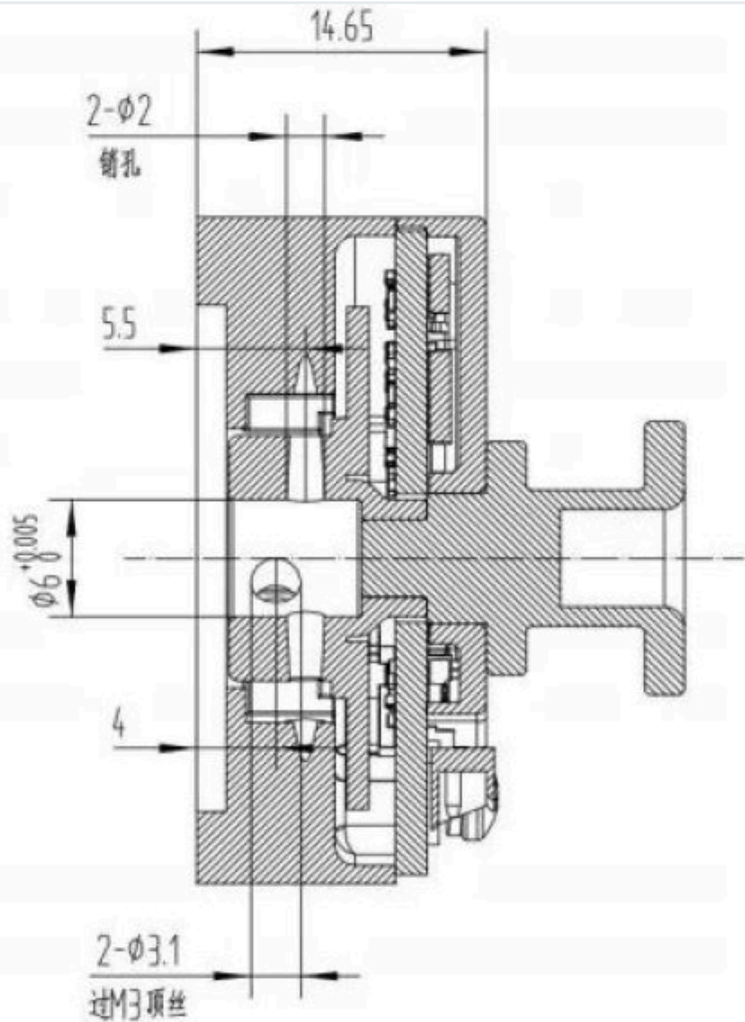
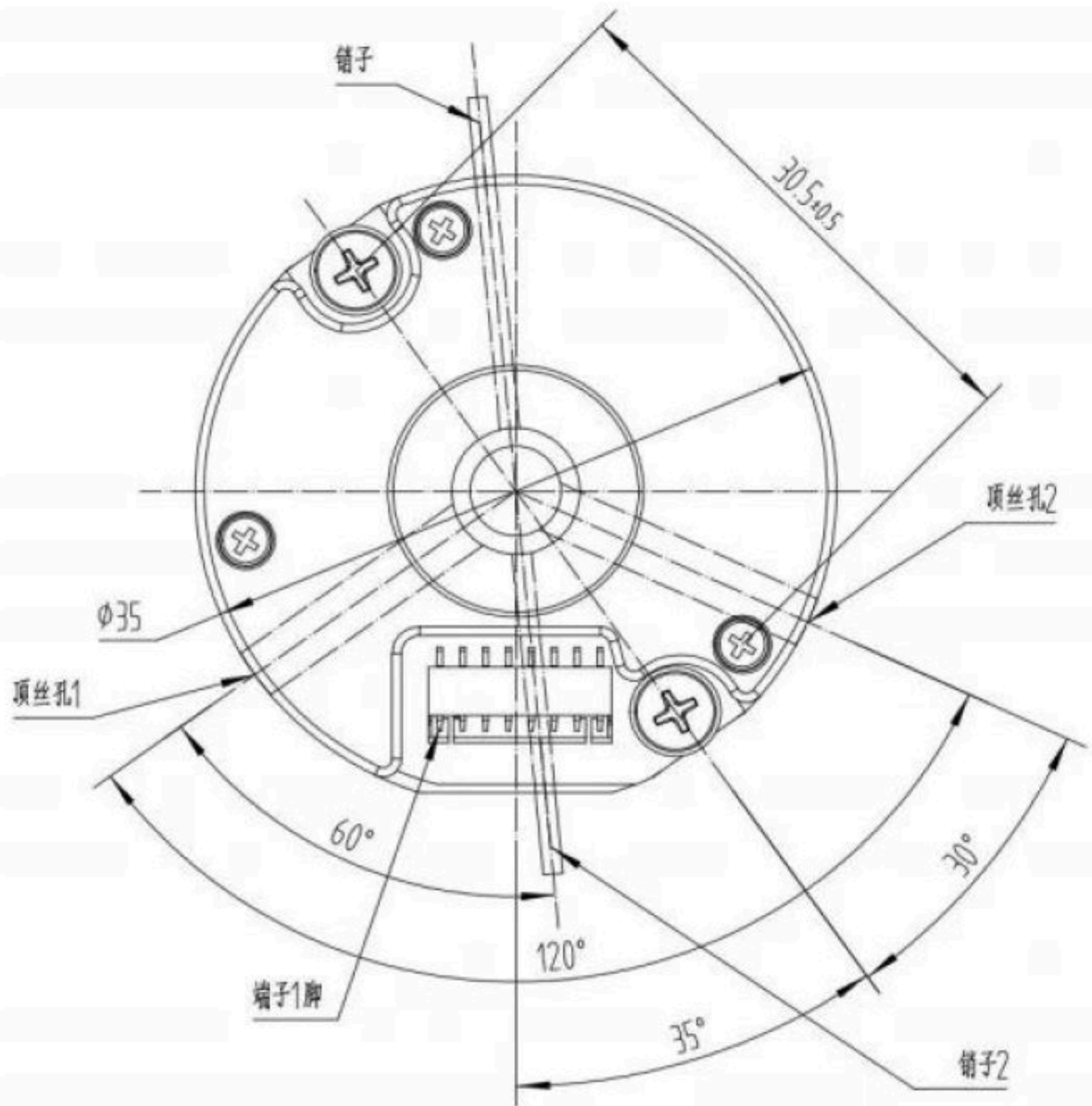
MECHANICAL DIMENSION



Note: Socket model SH1.0-8PWB RSL4308/06 Mechanical Dimension Drawing

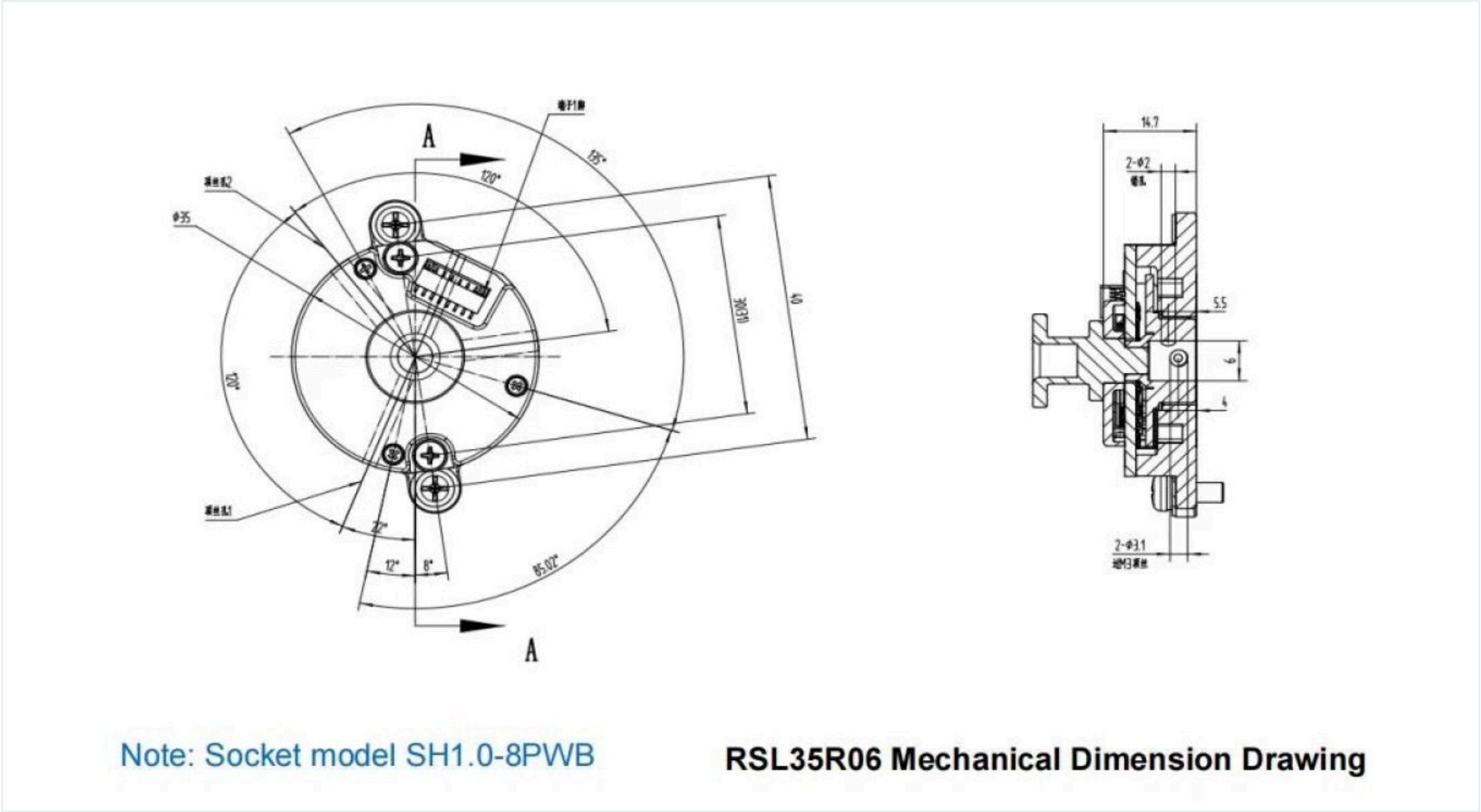


Note: Socket model SH1.0-8PWB RSH3506 Mechanical Dimension Drawing

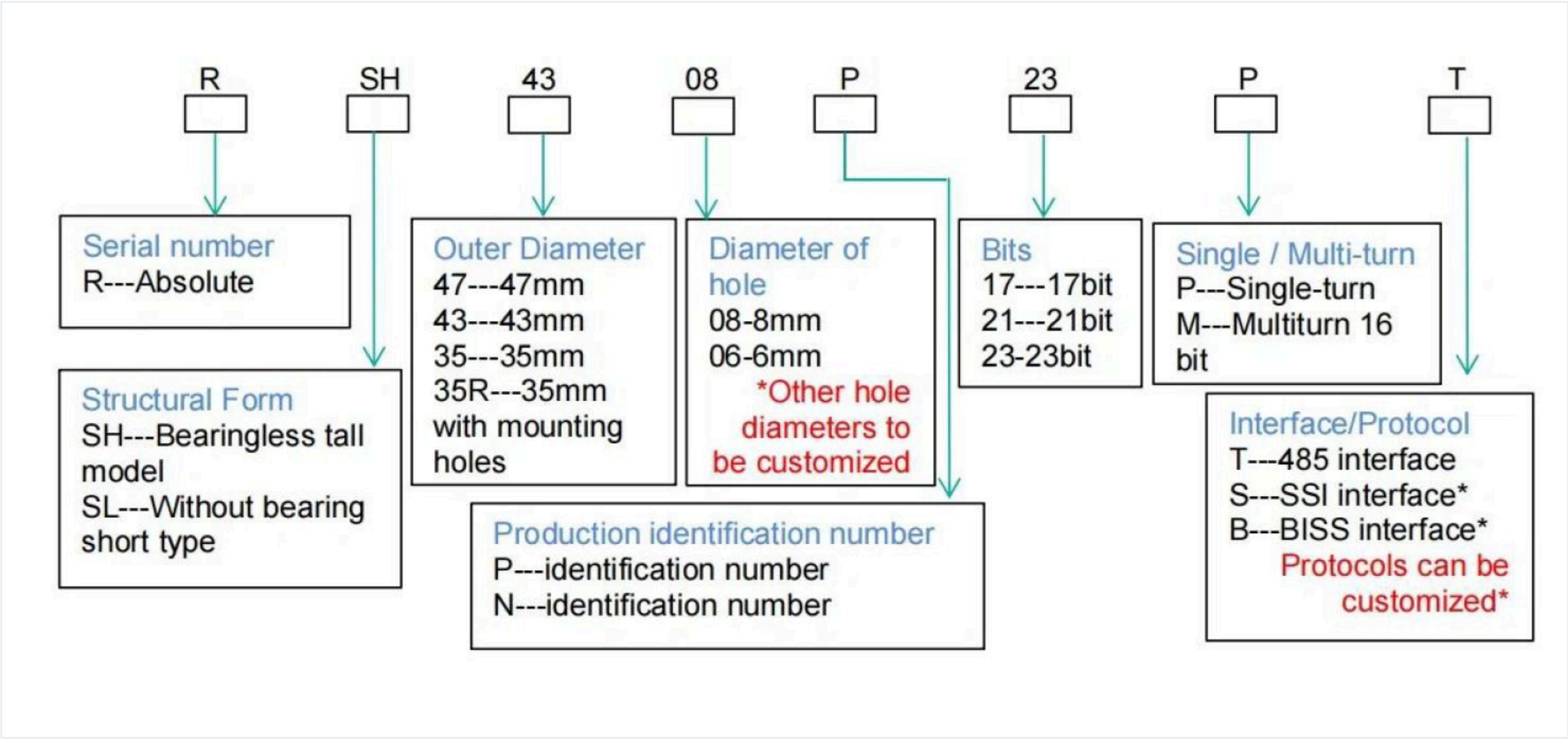


Note: Socket model SH1.0-8PWB RSH3506 Mechanical Dimension Drawing

MECHANICAL DIMENSION



ORDERING INFORMATION



BEARINGLESS · ABSOLUTE · RS485 · 17~24-BIT

OD: Ø35 mm

RSU3506 Series

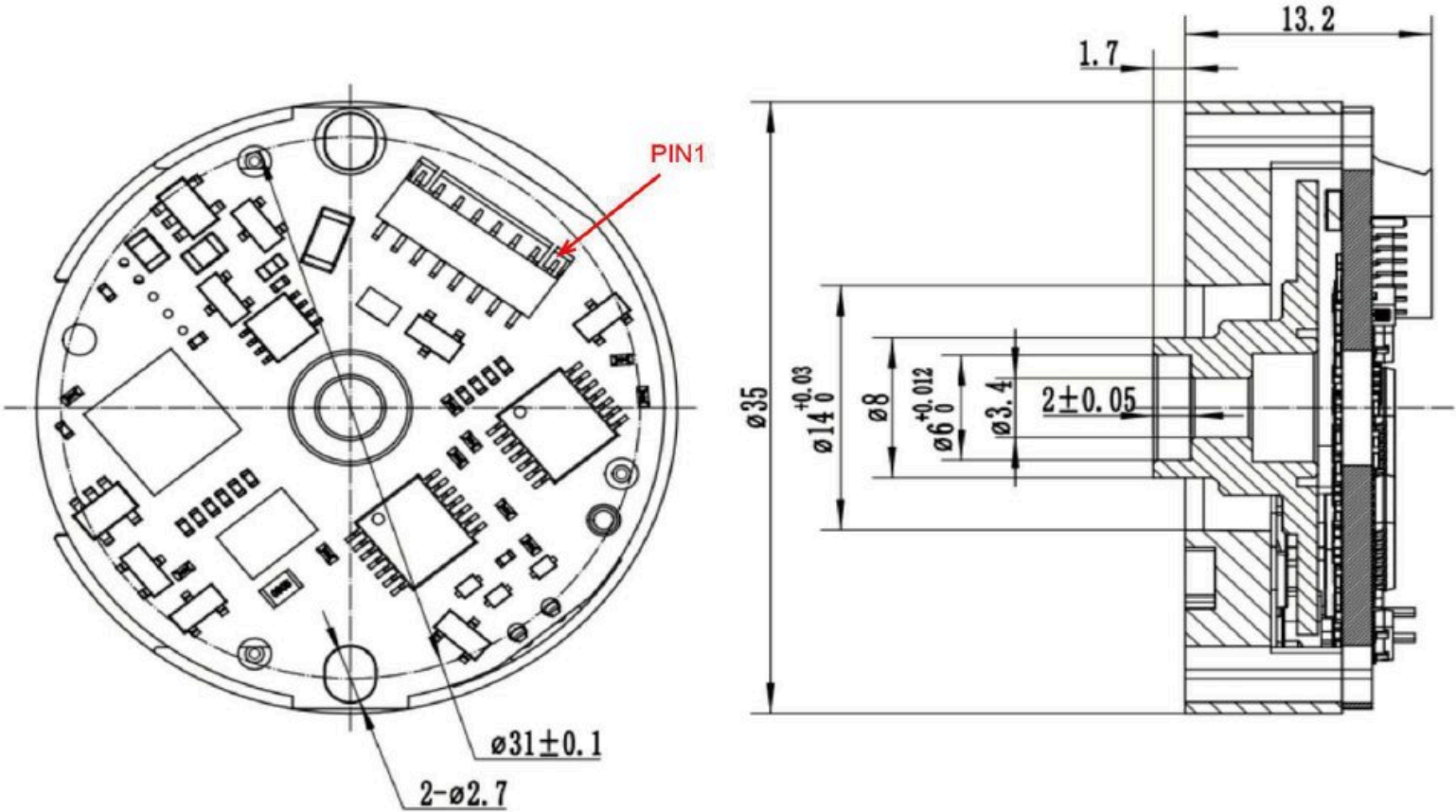
Bearingless absolute encoder for hollow-shaft servo motors. Provides non-contact absolute position feedback with 17~24-bit resolution, 16-bit multi-turn counting, and customizable communication protocols.



KEY SPECIFICATIONS

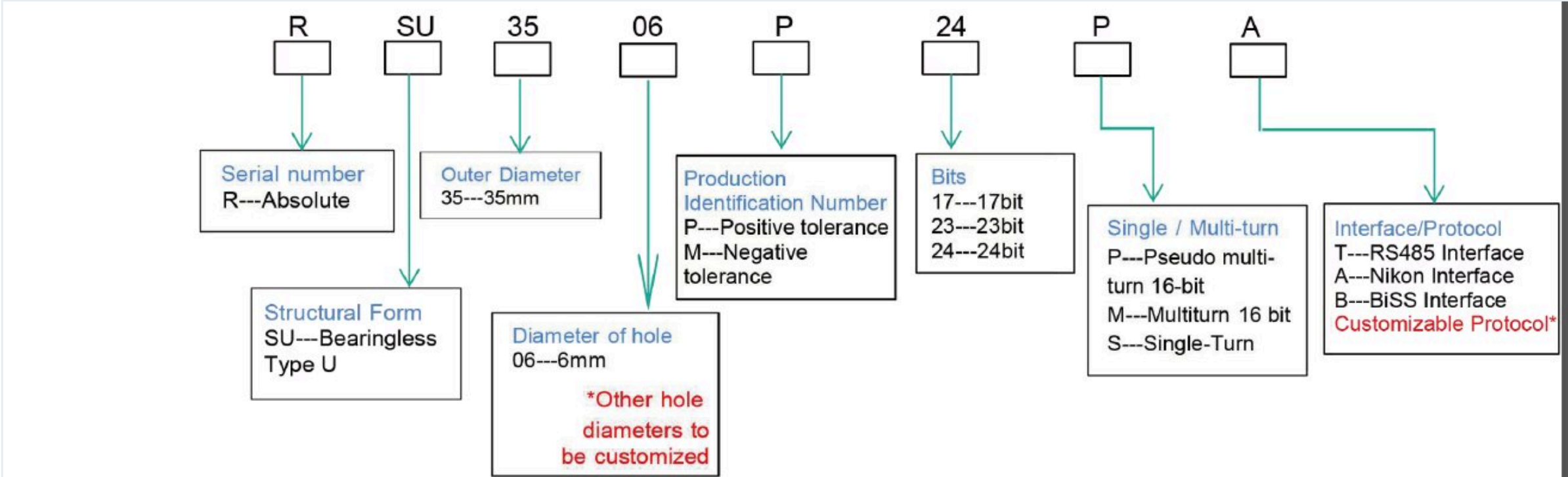
Resolution	131,072 ~ 16,777,216 (17~24-bit)
Multi-Turn	16-bit
Interface	RS485 / BiSS / Nikon (customizable*)
Supply Voltage	5V DC
Bore Diameter	Ø6 mm
Operating Temp.	-20°C ~ +105°C
Degree of Protection	IP40
Max. Operating Speed	6000 rpm

MECHANICAL DIMENSION



RSU3506 Mechanical Dimension Drawing

ORDERING INFORMATION



BEARINGLESS · ABSOLUTE · RS485 · 17/21/23-BIT

OD: Ø35 mm

RSG35 Series

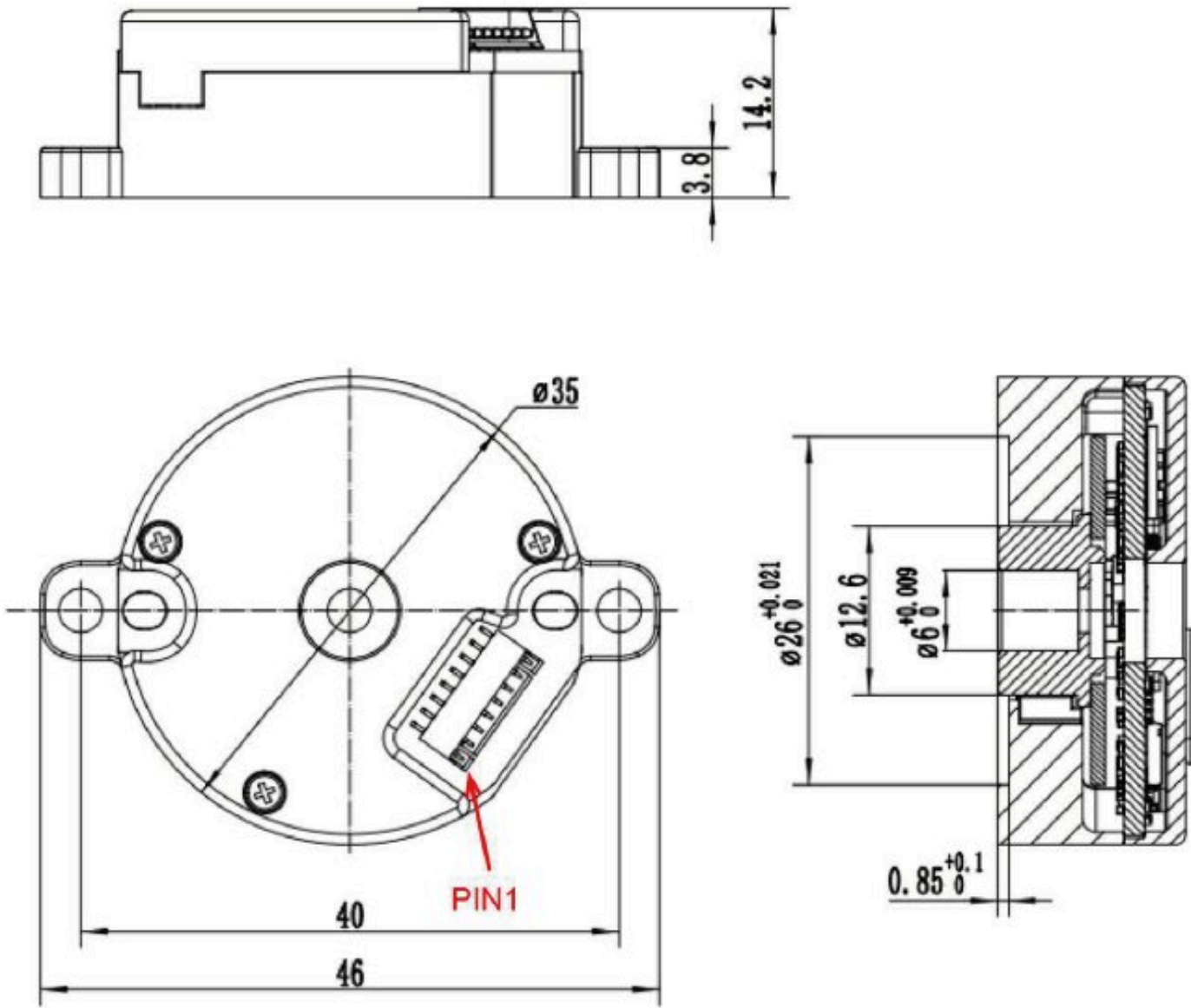
RSG35 Series bearingless absolute encoder for servo-driven control systems, delivering 17/21/23-bit non-contact absolute position and speed feedback for precise motion control in demanding applications.



KEY SPECIFICATIONS

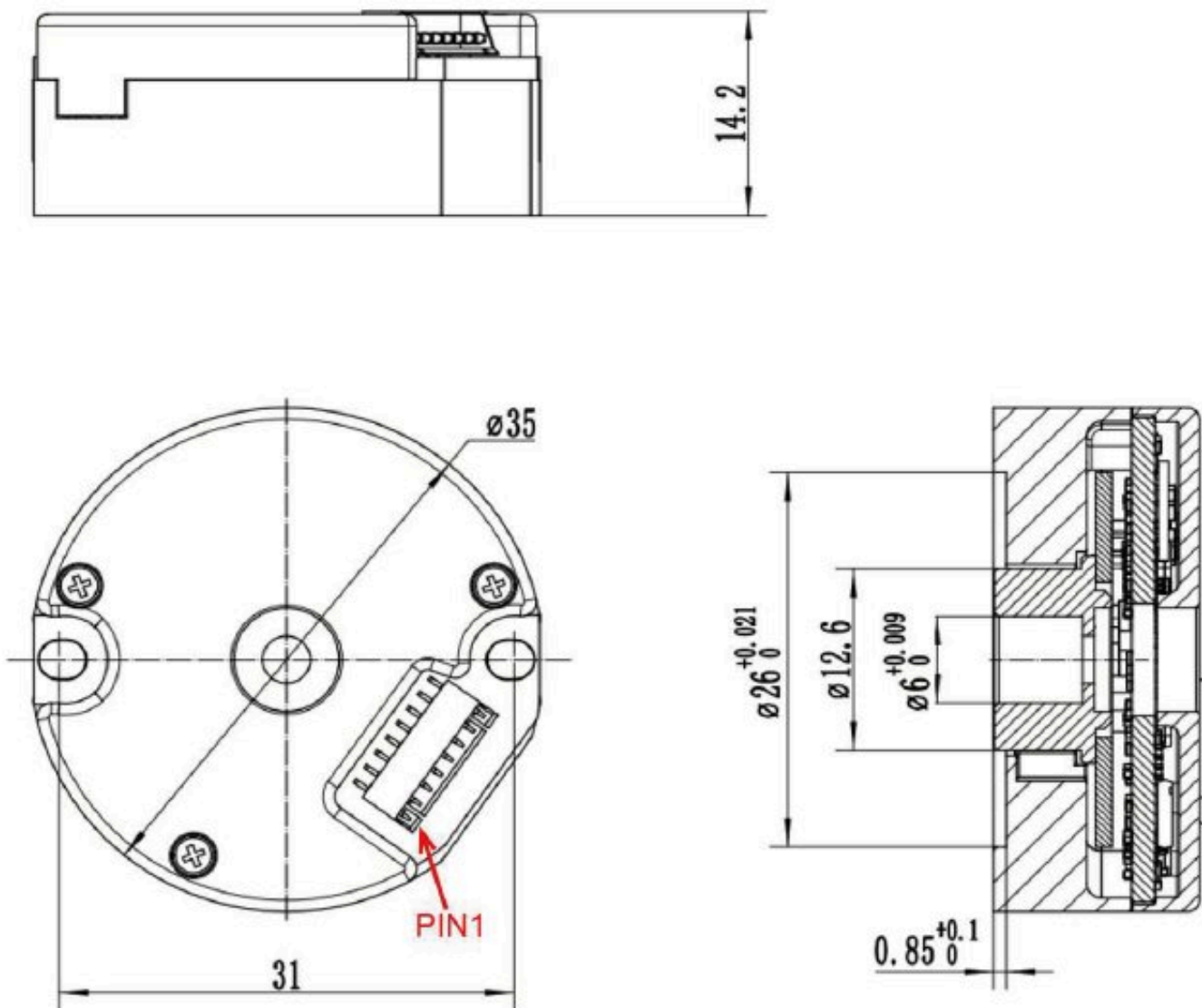
Resolution	131,072 / 2,097,152 / 8,388,608 (17/21/23-bit)
Multi-Turn	16-bit
Interface	RS485 / SSI / BiSS (customizable*)
Supply Voltage	5V DC
Bore Diameter	Ø6 / Ø8 mm (customizable)
Operating Temp.	-20°C ~ +105°C
Degree of Protection	IP40
Max. Operating Speed	6000 rpm

MECHANICAL DIMENSION

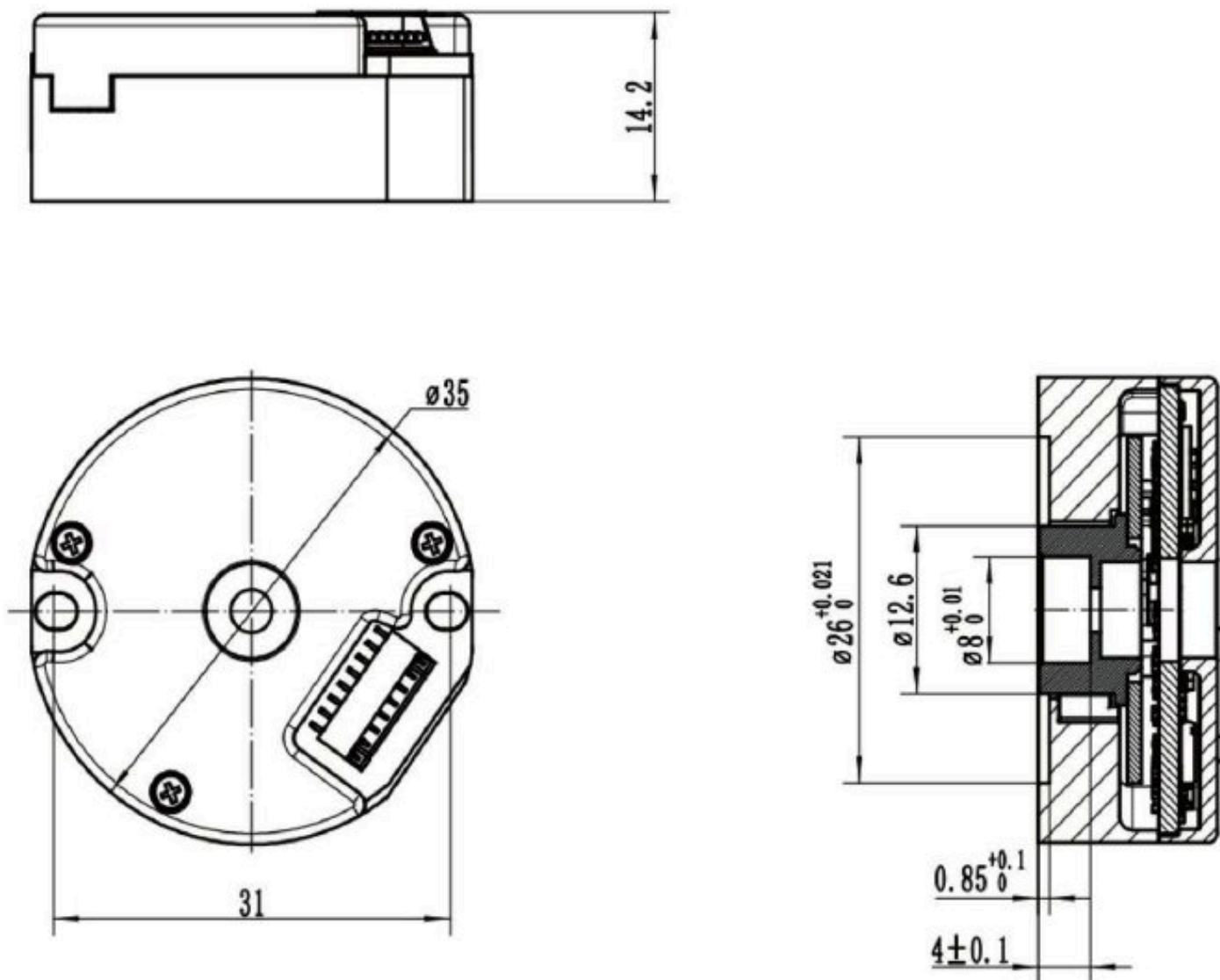


RSG35R06A Mechanical Dimension Drawing

MECHANICAL DIMENSION

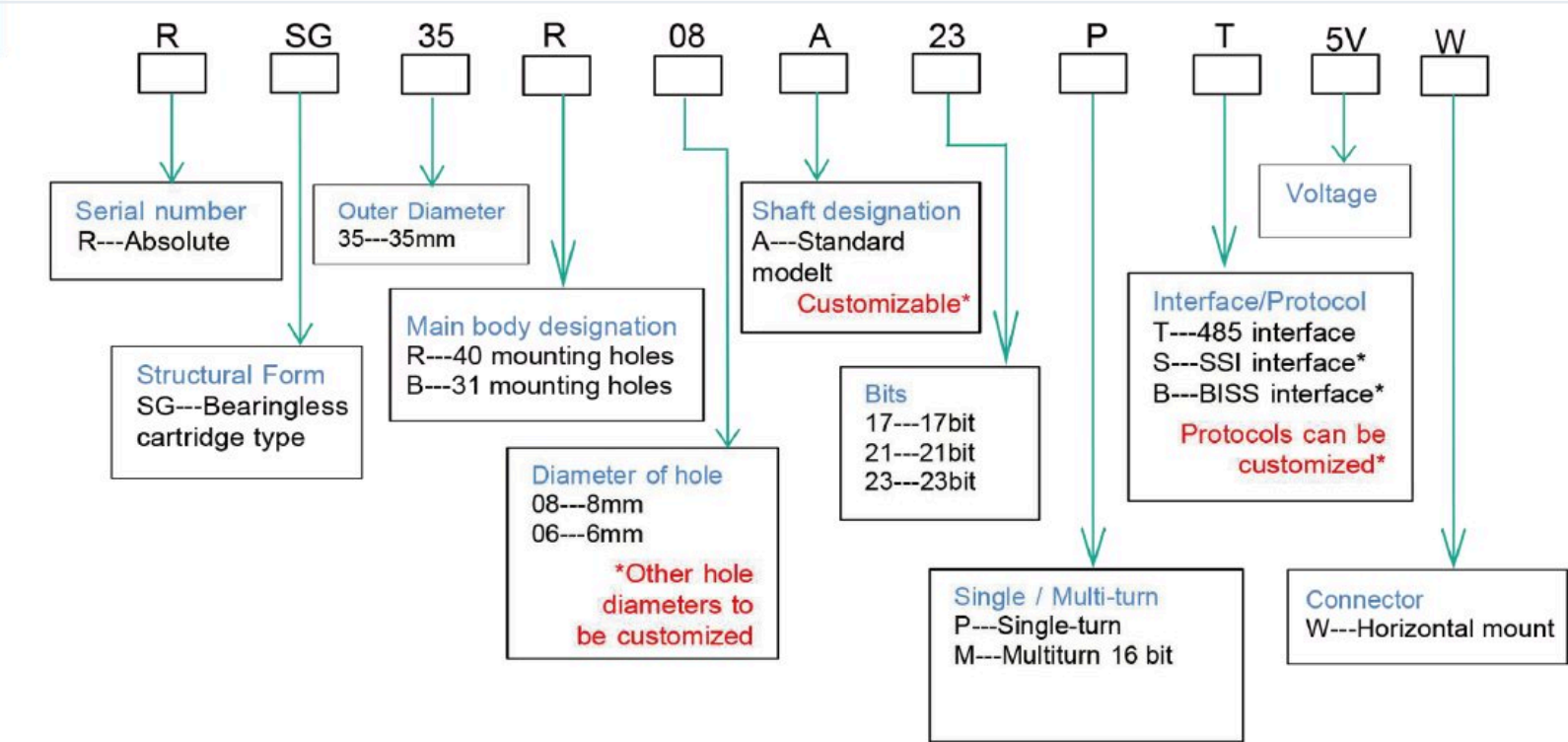


RSG35B06A Mechanical Dimension Drawing



RSG35B08A Mechanical Dimension Drawing

ORDERING INFORMATION



SIMPLE INSTALLATION ENCODERS

RS5 Series

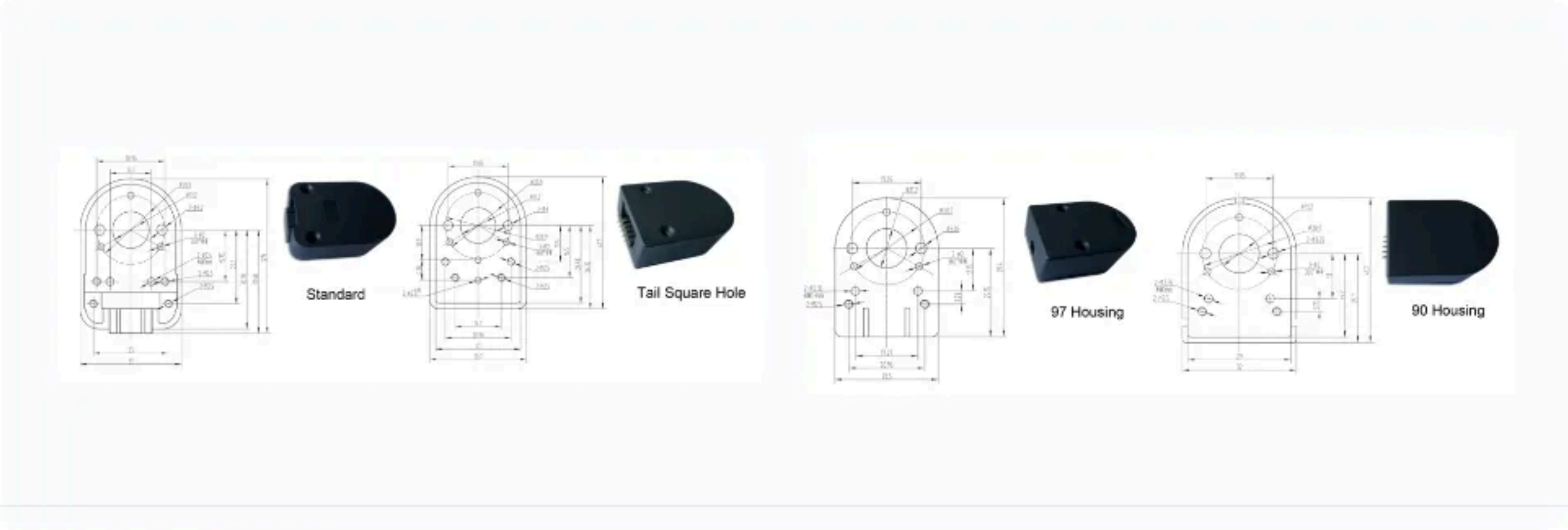
RS5 series is a simple mounting encoder program designed for stepper motors, DC motors, etc. It is suitable for motors with different shaft diameters, and with our special encoder disk, the typical model RS5500-B can output 1000 pulses of A and B signals, which can be used in numerical control machine tools, automation equipment, and so on.



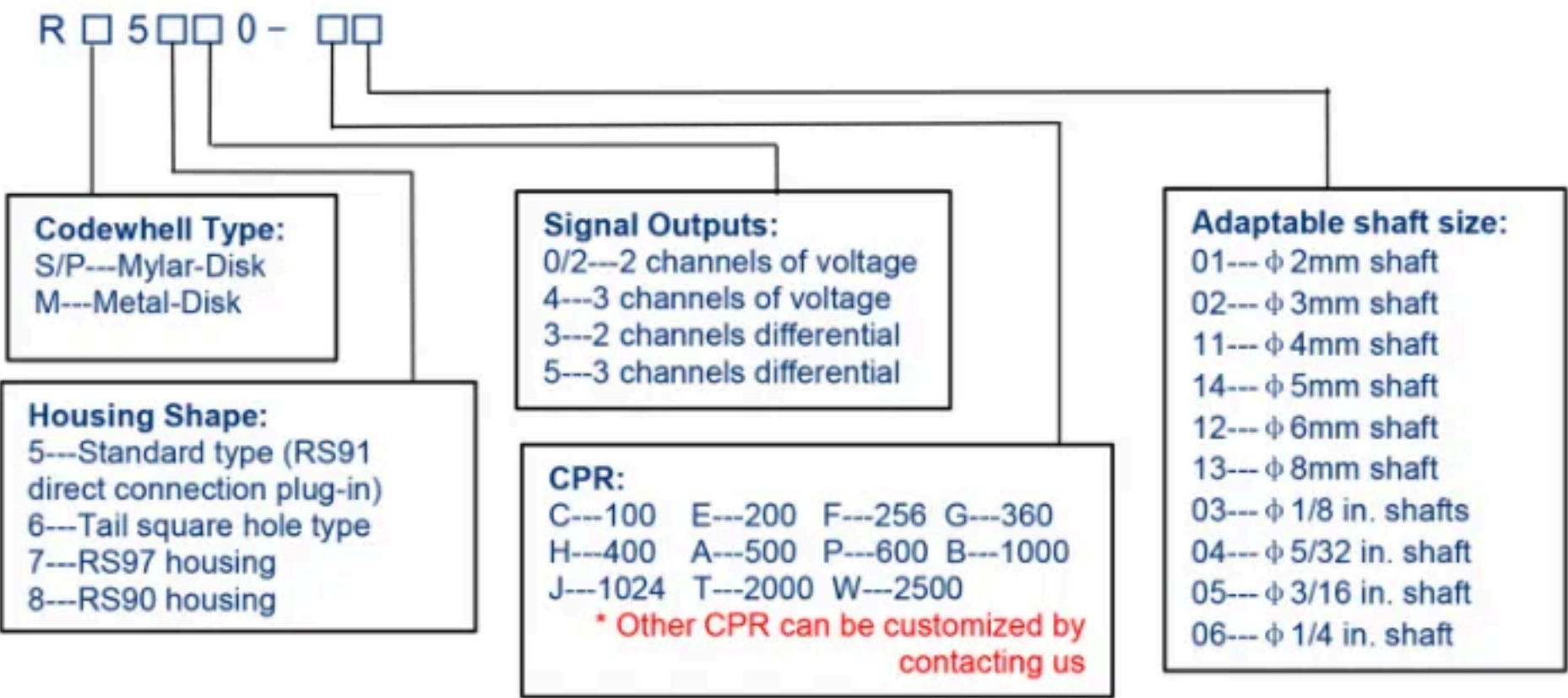
KEY SPECIFICATIONS

Resolution	CPR 100 ~ 2500
Output	2 ~ 3 channels
Code Wheel	Mylar / Metal
Housing	Standard / Tail Square / RS97 / RS90
Shaft Size	2 ~ 8 mm
Applications	Stepper / DC / CNC

EXTERIOR DIMENSION DRAWING



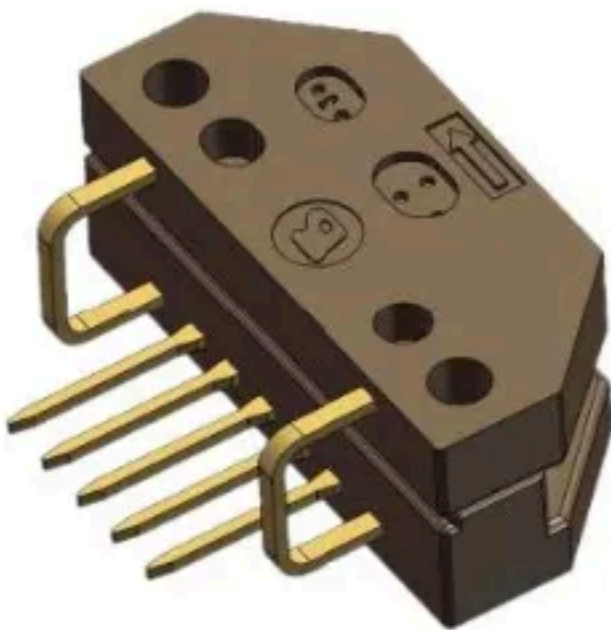
ORDERING INFORMATION



OPTICAL · INCREMENTAL · 2-CH

RS9100 Series

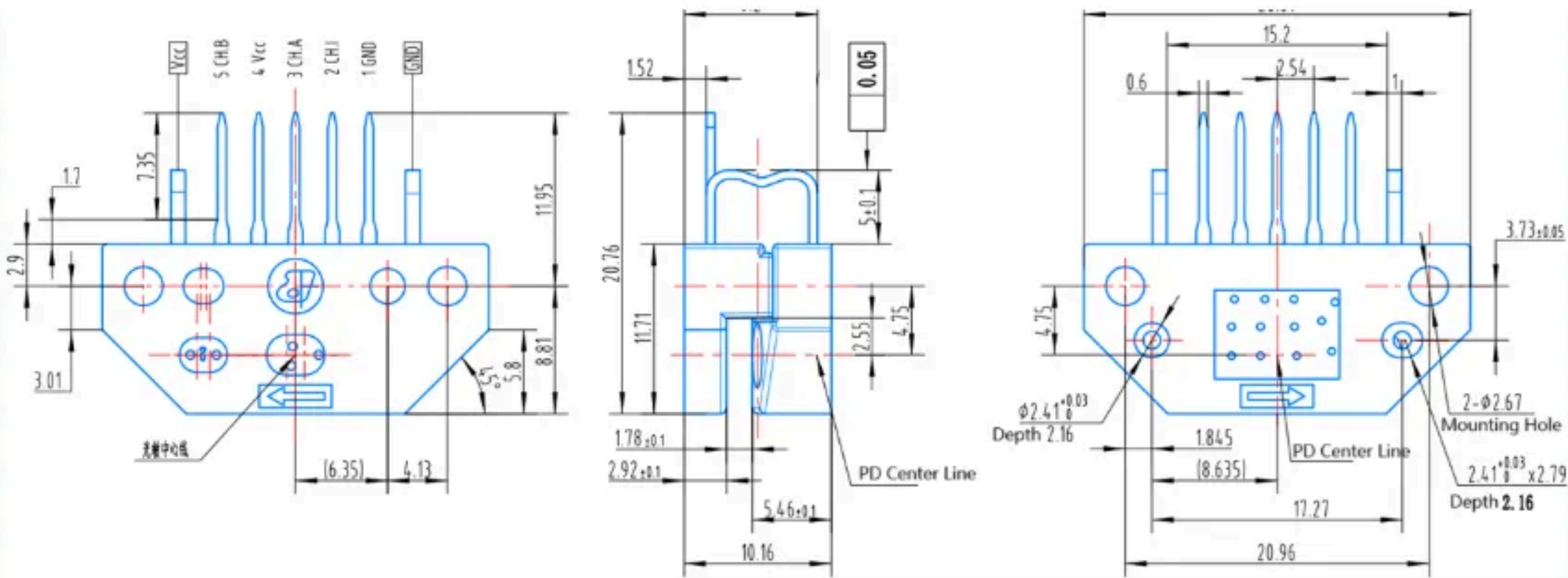
RS9100 series are two channel optical incremental encoder modules. The module consists of a lensed LED source and a detector IC in a small plastic package. Due to a high collimated light source and a precision photodetector array, with a matched codewheel or codestrip, the module provides the information of rotary motor.



KEY SPECIFICATIONS

Resolution	Up to 450 LPI
Output	TTL Compatible
Structure	C-Shape, Easy to Mount
Supply	Single 5 V DC
Frequency	200 kHz
Temperature	-40 °C ~ +100 °C

MECHANICAL DIMENSION DRAWING



ORDERING INFORMATION

Two channel encoder modules with an 11mm Optical Radius.

RS 9 1 0 0 - □

CPR:		
C---	100	E---200
G---	360	H---400
B---	1000	F---256
		A---500

Two channel linear encoder module.

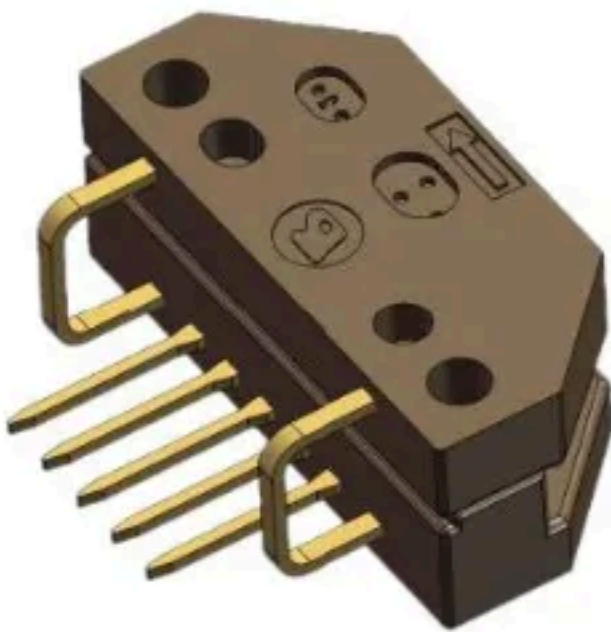
RS 9 1 00 - □

LPI:	
45 - 45LPI	09 - 90LPI
12 - 120LPI	15 - 150LPI
18 - 180LPI	25 - 254LPI
30 - 300LPI	36 - 360LPI
F5 - 450LPI	

OPTICAL · INCREMENTAL · 3-CH

RS9140 Series

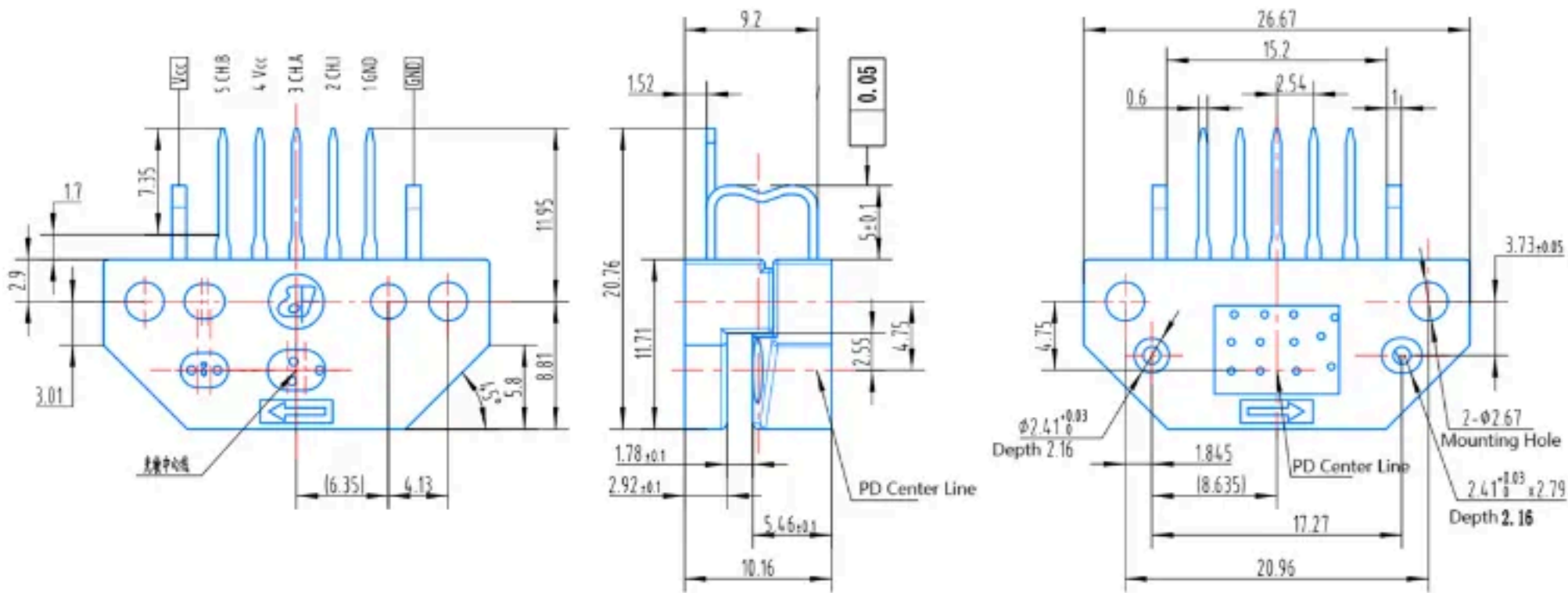
RS9140 series are three channel optical incremental encoder modules. The module consists of a lensed LED source and a detector IC in a small plastic package. Due to a high collimated light source and a precision photodetector array, with a matched codewheel or codestrip, the module provides the information of rotary motor.



KEY SPECIFICATIONS

Resolution	Up to 1000 CPR
Output	TTL Compatible
Structure	C-Shape, Easy to Mount
Supply	Single 5 V DC
Frequency	200 KHz
Temperature	-40 °C ~ +100 °C

MECHANICAL DIMENSION DRAWING



ORDERING INFORMATION

Three Channel Encoder Modules and Code disc with 11mm Optical Radius.

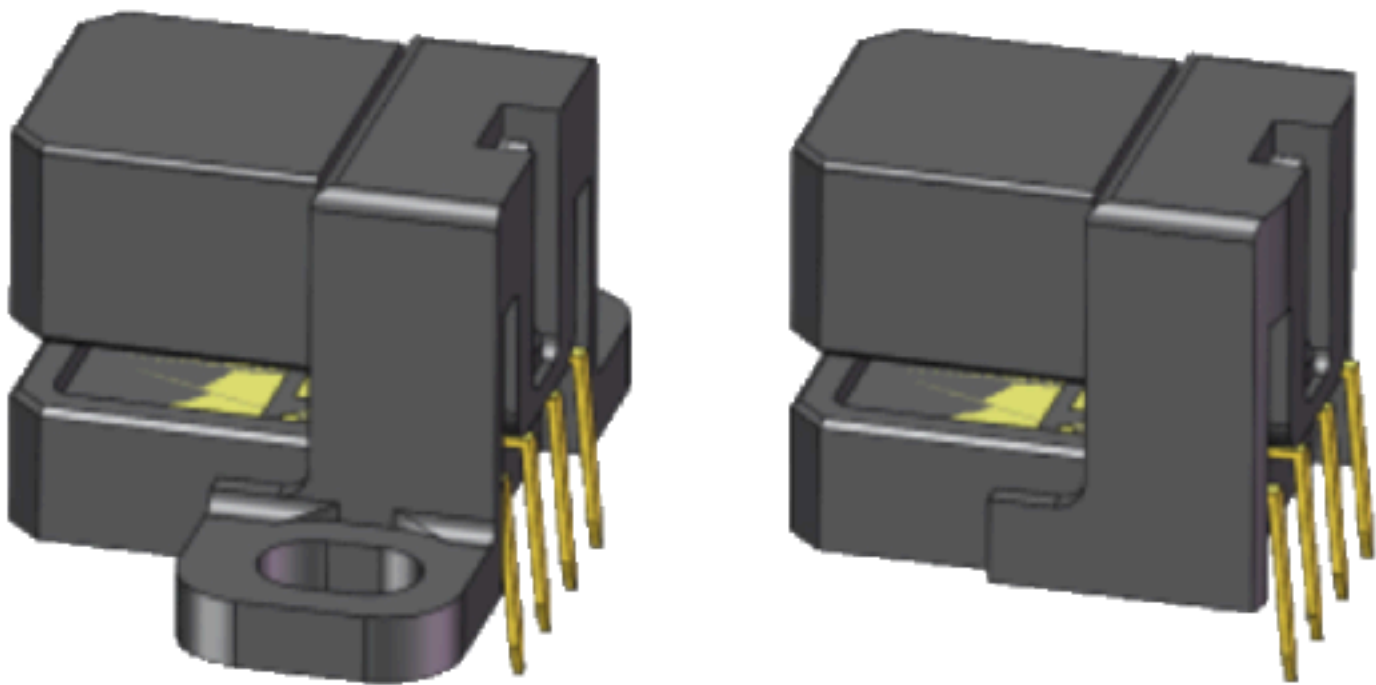
RS 9 1 4 0 - □ □

CPR:			4---1/4T
C---100	E---200	F---256	
G---360	H---400	A---500	
B---1000			

OPTICAL · INCREMENTAL · 2-CH

RS970 Series

RS970 series are high performance optical 2-channel incremental encoder modules. With an integrated precision encoder phase matrix receiver chip and light source, the module senses rotational position and speed information with a code disc. RS970 series also has linear (LPI) options: 20, 45, 90, 150, 180, 300, 360.

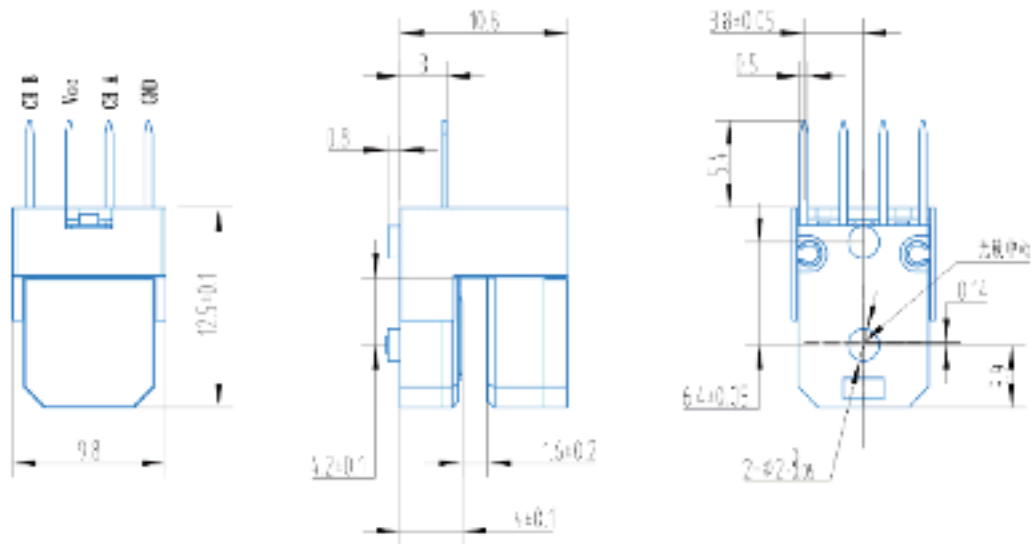


KEY SPECIFICATIONS

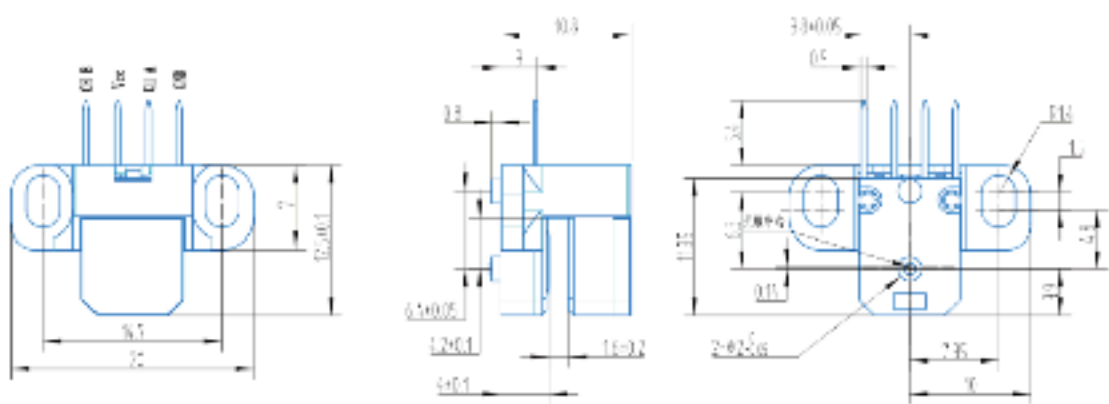
Channels	2-CH Differential
CPR Options	50 ~ 2500 CPR
Maximum Speed	11000 RPM
Supply Voltage	3V ~ 5V DC
Output Method	Differential Line Driver
Operating Temp	-40°C ~ +85°C

MECHANICAL DIMENSION DRAWING

Straight Lead Without Mounting Holes Dimensions

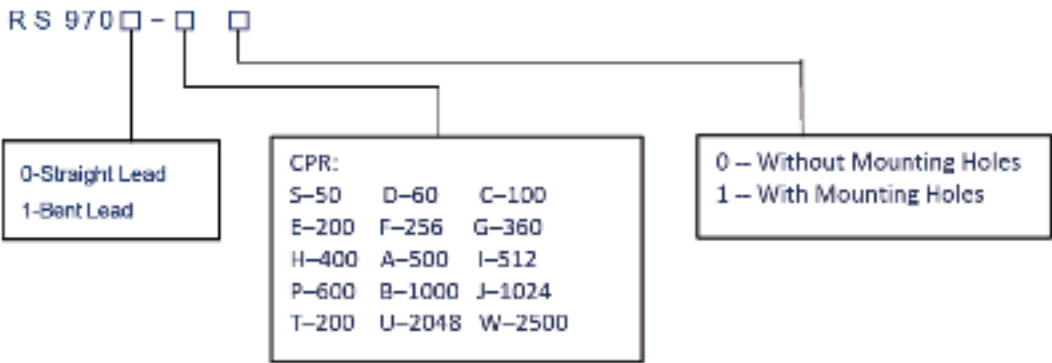


Straight Lead With Mounting Holes Dimensions

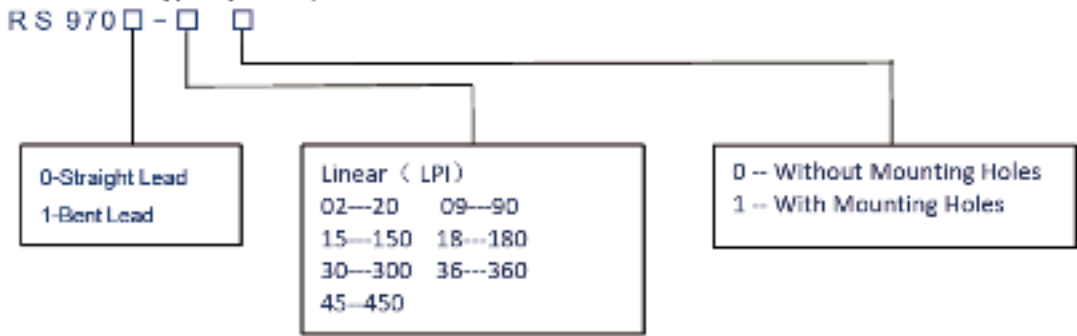


ORDERING INFORMATION

RS970 series is available in a variety of options, and the specific CPR selection is as follows, based on the optical radius (ROP) = 11mm.



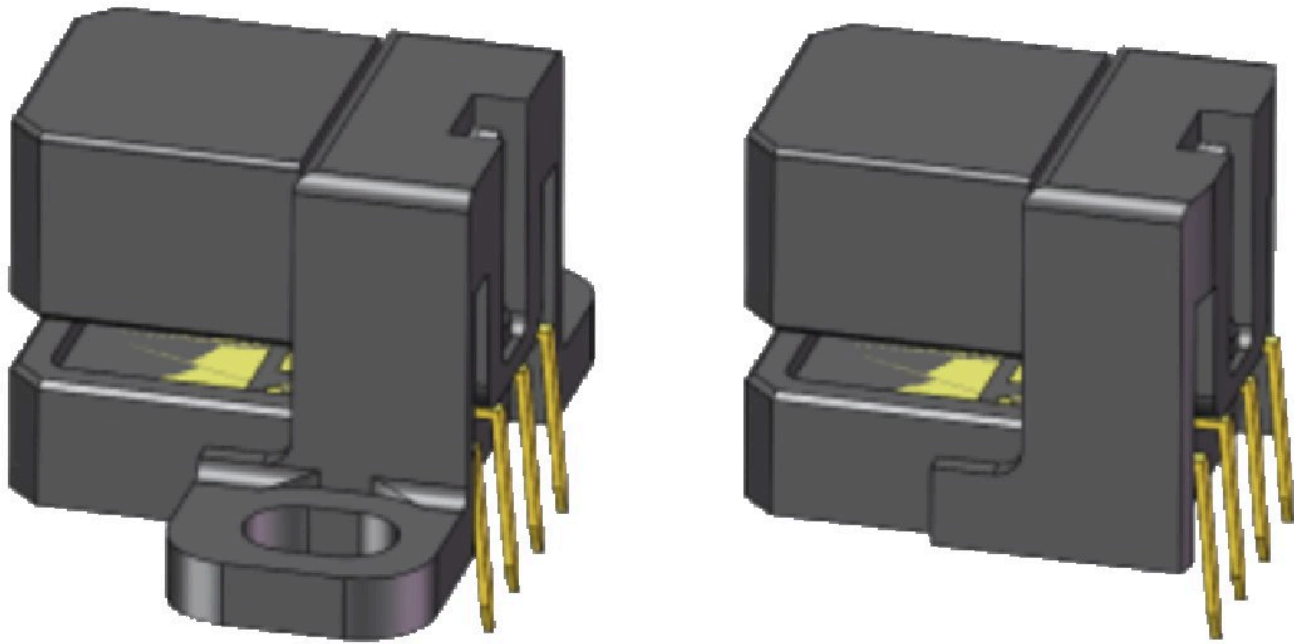
RS970 series linear type by LPI options are as follows.



OPTICAL · INCREMENTAL · 2-CH

RS971 Series

RS971 series are a high performance, optical 2-channel incremental encoder modules. With an integrated precision encoder phase matrix receiver chip and light source (red light source), the module is capable of sensing rotational position and speed information in conjunction with a code disc.

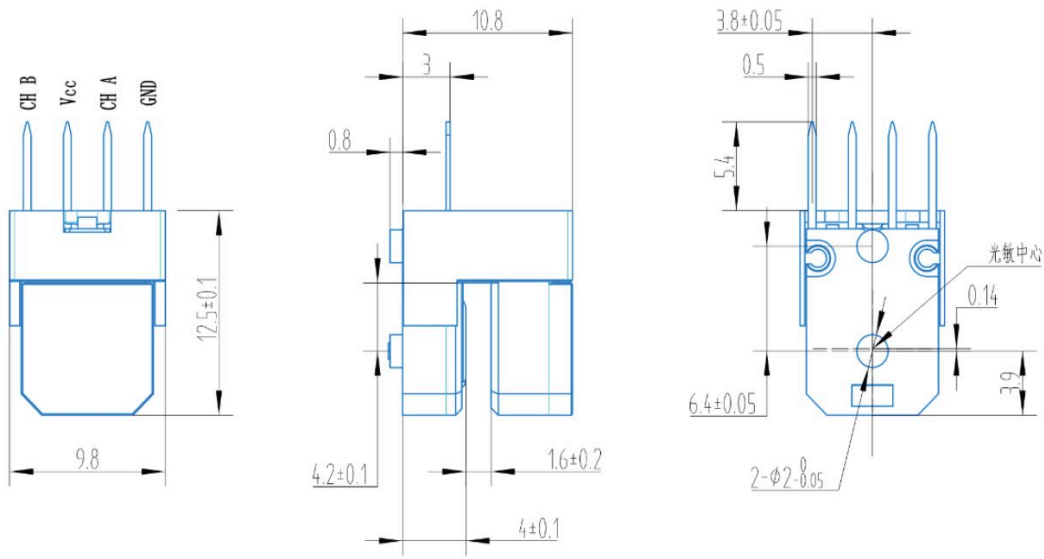


KEY SPECIFICATIONS

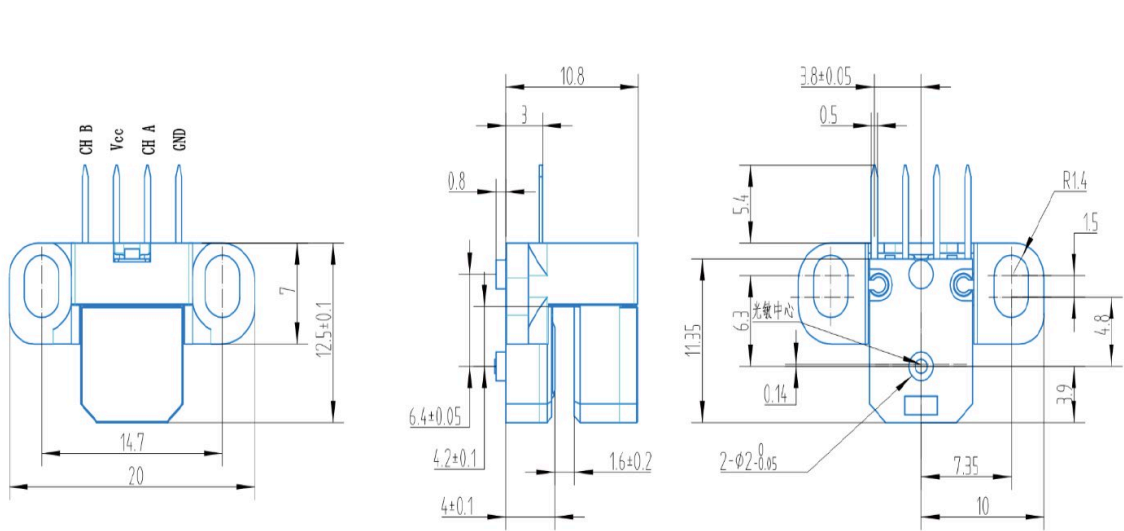
Resolution	CPR 500 / 1000; LPI 20 / 45 / 90 / 150 / 180 / 300 / 360
Output	A / B quadrature, TTL compatible
Supply Voltage	3.3 / 5 V DC (2.7 V ~ 5.5 V)
Response Frequency	60 KHz
Operating Temperature	-40 °C ~ +85 °C
Light Source	Red LED, 650 nm ~ 660 nm

MECHANICAL DIMENSION

Straight Lead Without Mounting Holes Dimensions

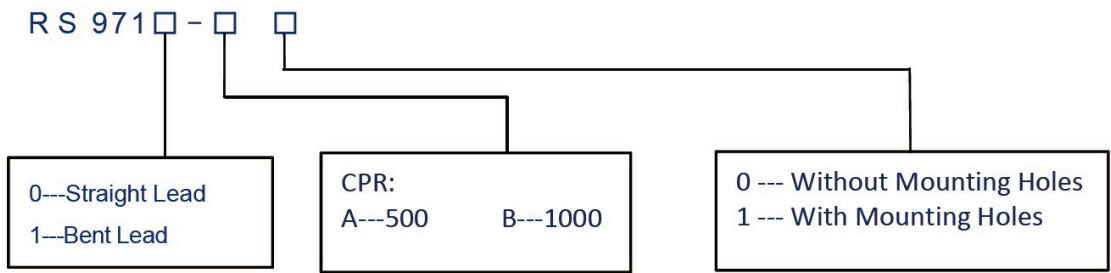


Straight Lead With Mounting Holes Dimensions

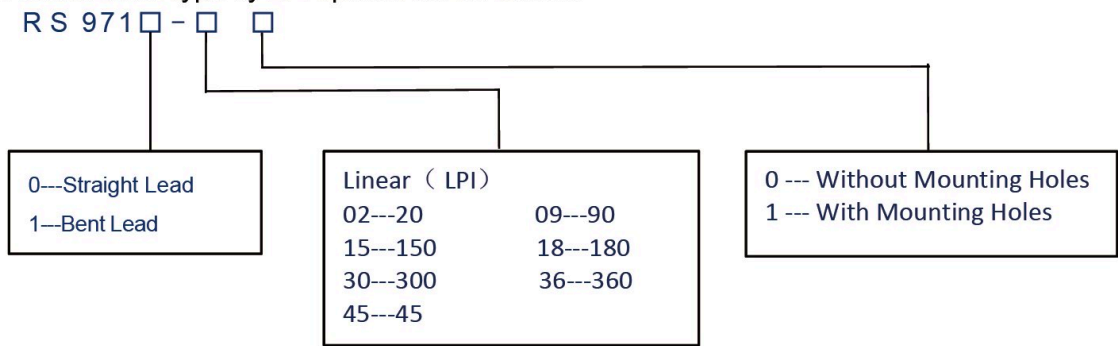


ORDERING INFORMATION

RS971 series is available in a variety of options, and the specific CPR selection is as follows. based on the optical radius(ROP)= 11mm.



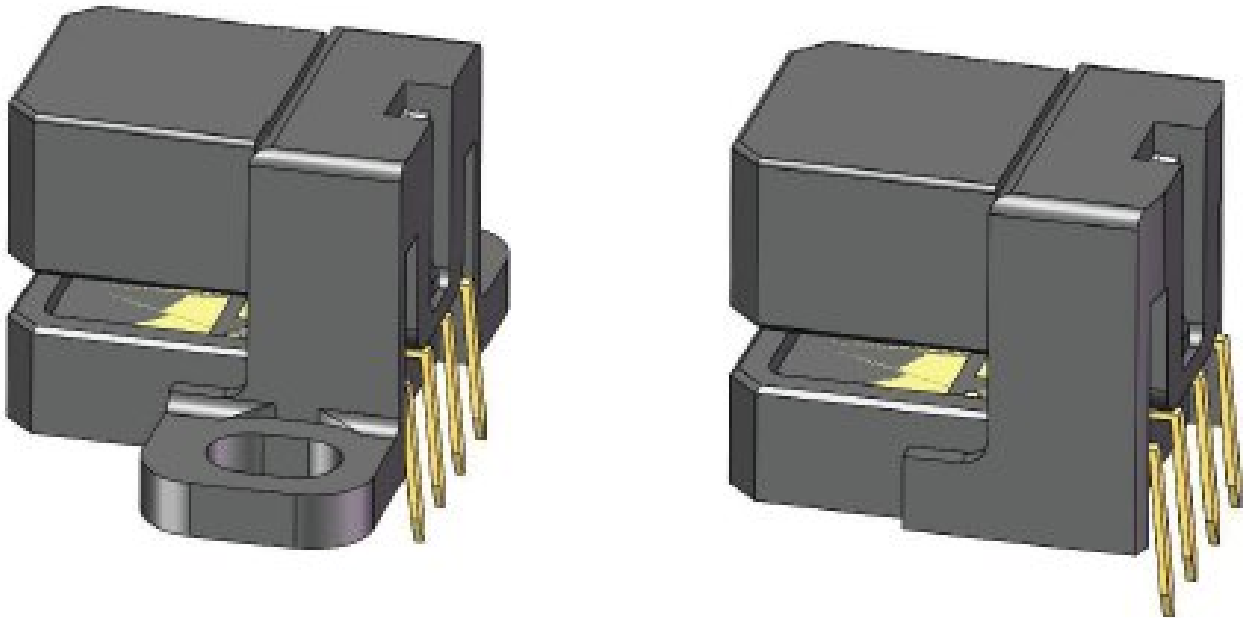
RS971 series linear type by LPI options are as follows.



OPTICAL · INCREMENTAL · 2-CH

RS972 Series

RS972 series are a high performance, optical 2-channel incremental encoder modules. With an integrated precision encoder phase matrix receiver chip and infrared light source, the module is capable of sensing rotational position and speed information in conjunction with a code disc.

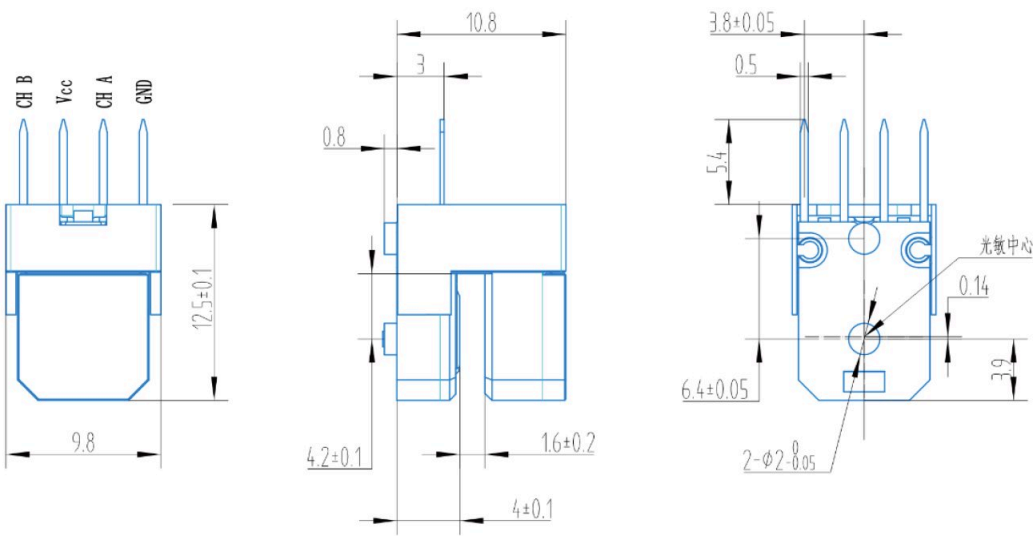


KEY SPECIFICATIONS

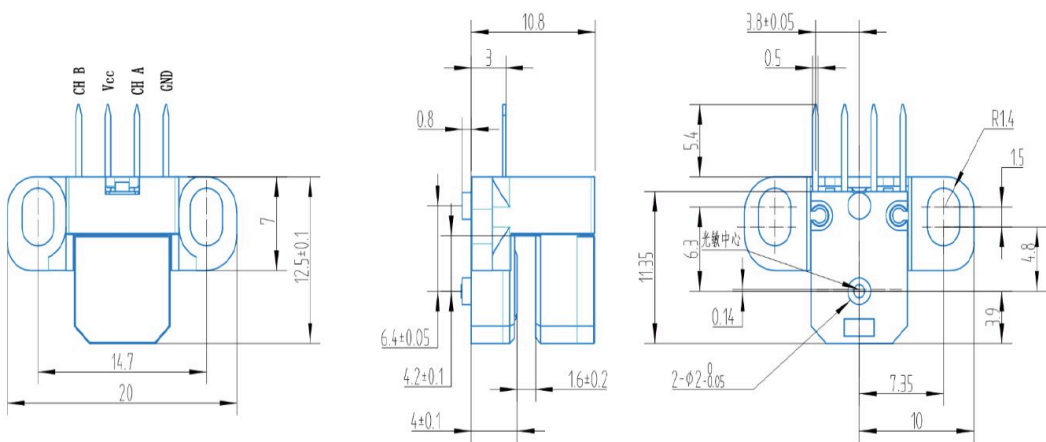
Resolution	CPR 500 / 1000; LPI 20 / 45 / 90 / 150 / 180 / 300 / 360
Output	A / B quadrature, TTL compatible
Supply Voltage	3.3 / 5 V DC (2.7 V ~ 5.5 V)
Response Frequency	60 KHz
Operating Temperature	-40 °C ~ +85 °C
Light Source	Infrared LED, 840 nm - 860 nm

MECHANICAL DIMENSION

Straight Lead Without Mounting Holes Dimensions

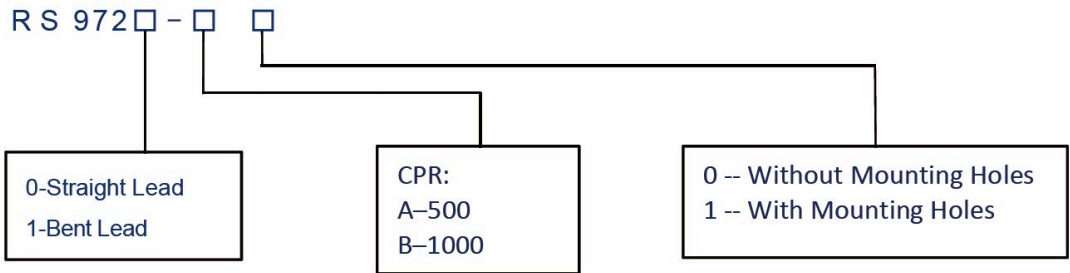


Straight Lead With Mounting Holes Dimensions

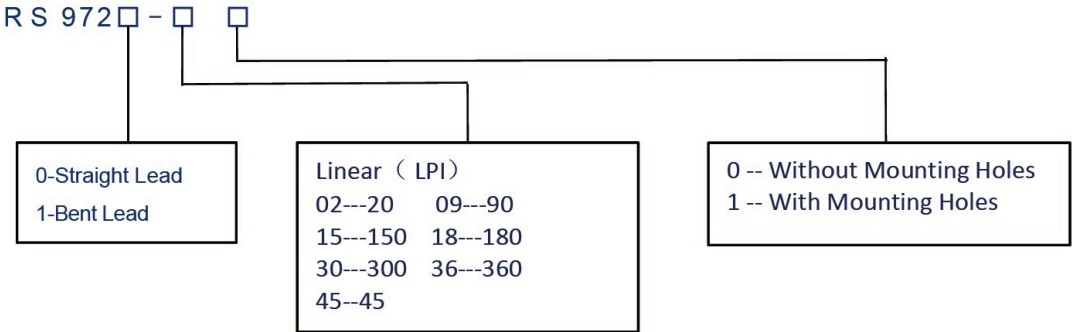


ORDERING INFORMATION

RS972 series is available in a variety of options, and the specific CPR selection is as follows, based on the optical radius (ROP) = 11mm.



RS972 series linear type by LPI options are as follows.



RK Series

Resolution	CPR up to 600; LPI 20 / 45 / 90 / 150 / 180 / 300 / 360
Output	A / B quadrature, TTL compatible
Light Source	Red LED 650 nm / Infrared LED 850 nm
Supply Voltage	4.5 ~ 5.5 V DC
Response Frequency	200 KHz
Operating Temperature	-20 °C ~ +85 °C

Fig.7 Straight Lead Dimensions With Mounting Holes

Fig.9 Bent Lead Dimension With Mounting Holes

liya@epoch-electronic.com

5



Resolution	LPI 20 / 37 / 45 / 75 / 90 / 120 / 150 / 180 / 254 / 300 / 360 / 450
Output	A / B quadrature, TTL compatible
Light Source	Infrared LED, 850 nm
Supply Voltage	2.7 ~ 5.5 V DC
Response Frequency	60 KHz
Operating Temperature	-20 °C ~ +85 °C

[illegible]

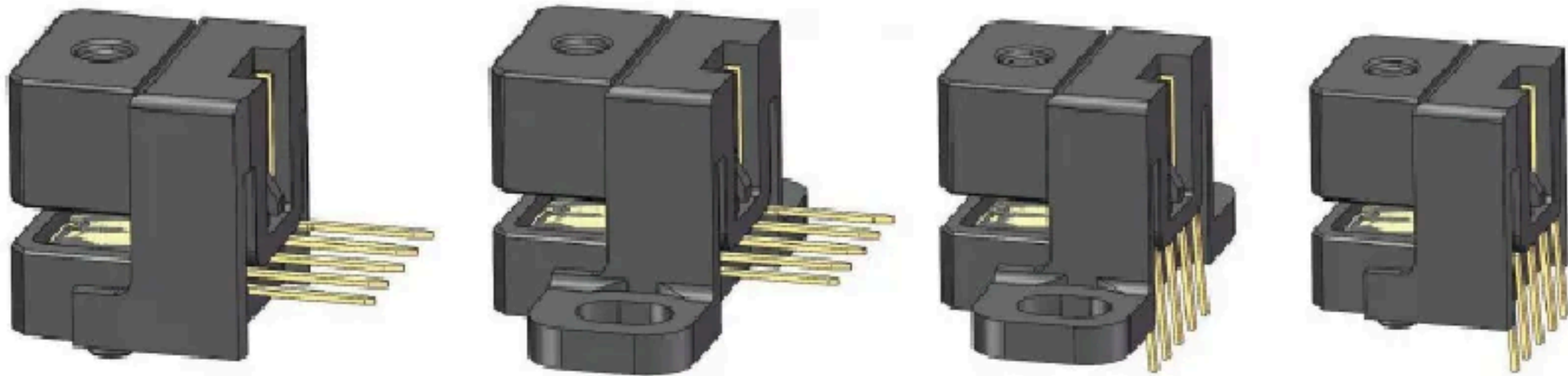
*When the 450LPI module is used, the code-wheel needs to be placed within the 1/3 area of the C port close to the receive chip.

OPTICAL · INCREMENTAL · 3-CH

RM61 Series

RM61 series are high performance optical 3-channel incremental encoder modules. With an integrated precision encoder phase matrix receiver chip and light source, the module senses rotational position and speed information in conjunction with a code disc.

FOOTPRINT
20.2
x 15.0 mm



KEY SPECIFICATIONS

Channels	3-Channel (A / B / Z)
CPR Options	50 ~ 2500 PPR
Response Frequency	500 kHz
Supply Voltage	4.5 ~ 5.5V DC
Output Current	-1 ~ 5 mA
Operating Temp	-40 ~ +85°C

MECHANICAL DIMENSION

Mechanical Dimension With Mounting Holes

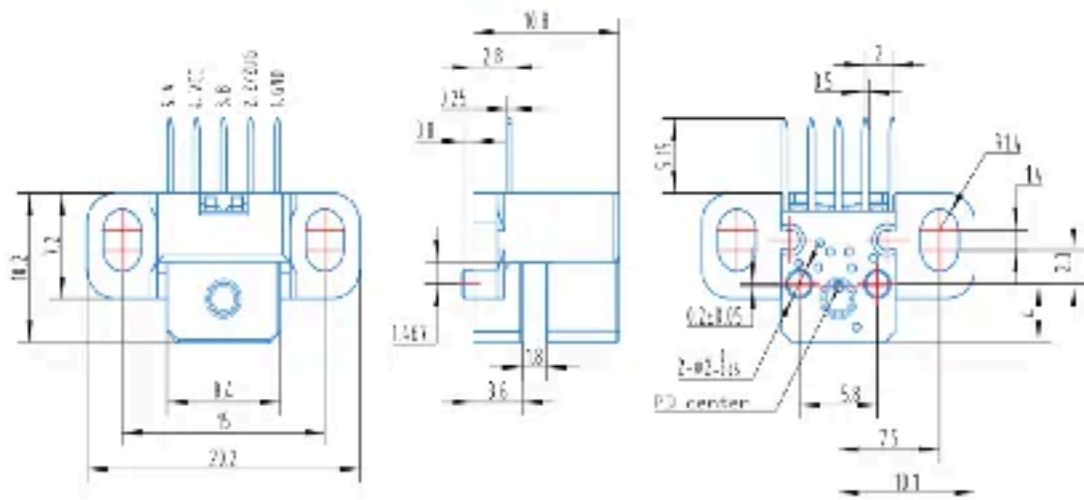


Fig.3 Mechanical Dimension With Mounting Holes

Mechanical Dimension Without Mounting Holes

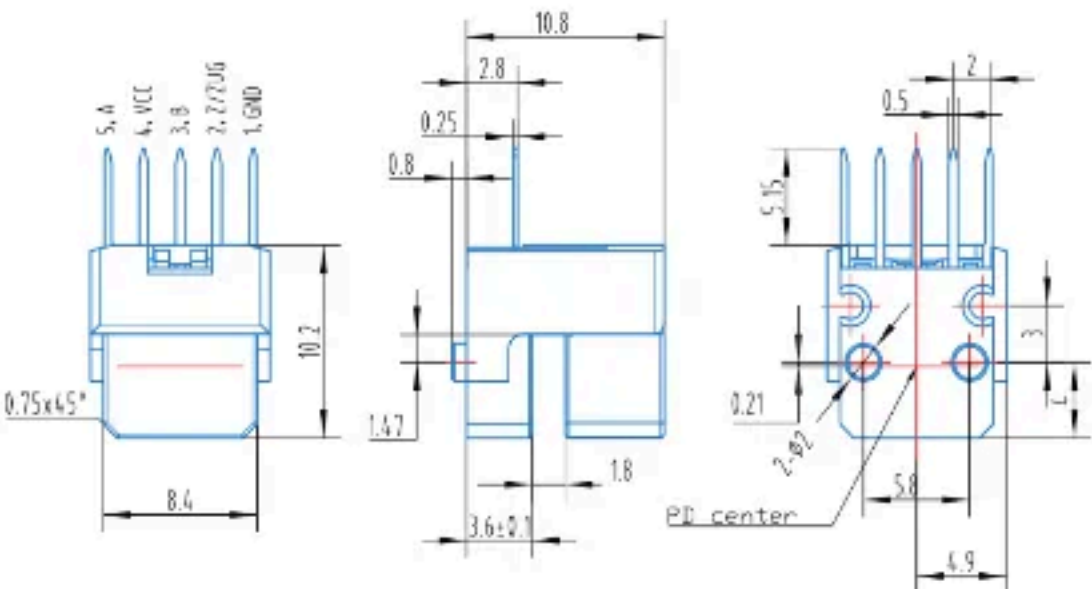
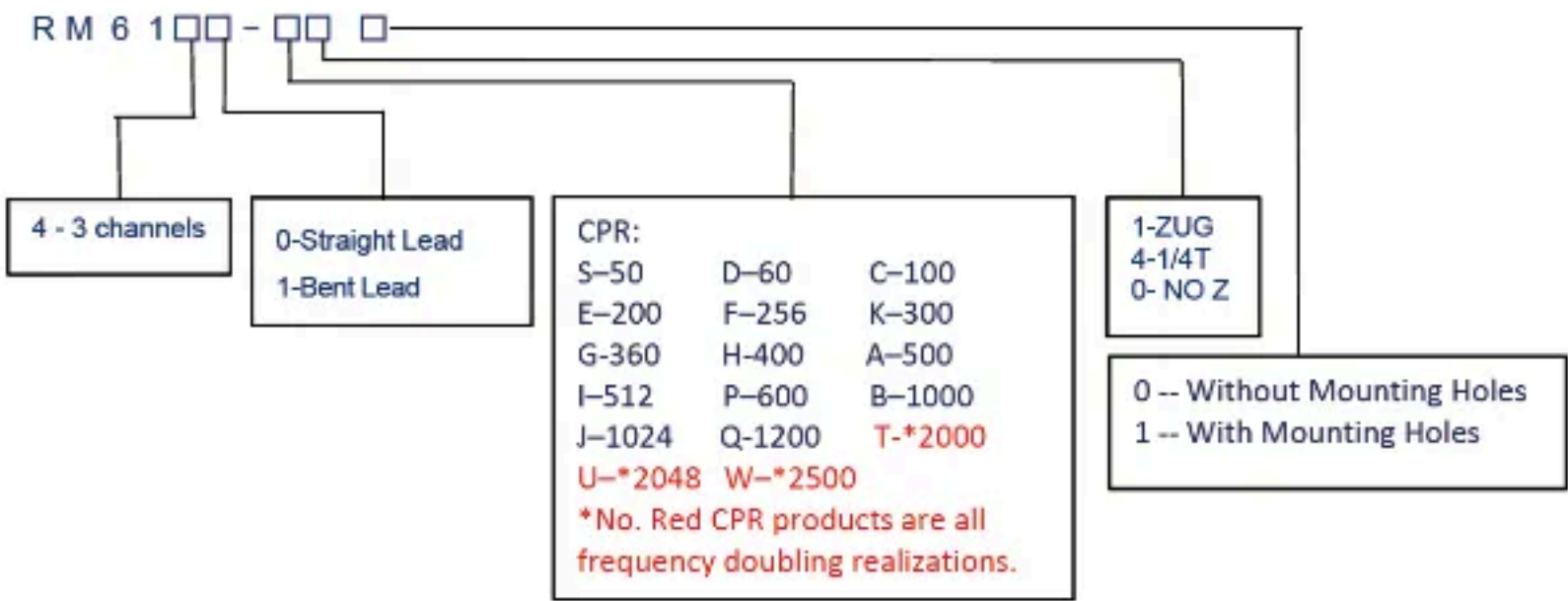


Fig.4 Mechanical Dimension Without Mounting Holes

ORDERING INFORMATION

RM61 series is available in a variety of options, and the specific CPR selection is as follows, based on the optical radius (ROP) = 11mm.



REFLECTIVE · 3-CH

RF20 Series

RF20 series reflective encoder with PCBA and integrated housing design, with code disc, can output three channels of differential signals ranging from 500~4096 CPR. Z signal can be selected from 90°, 180° and 360°, without special instructions, the standard product is 90°. This product is suitable for small size DC motor, stepping motor and servo motor.

OD

Ø20

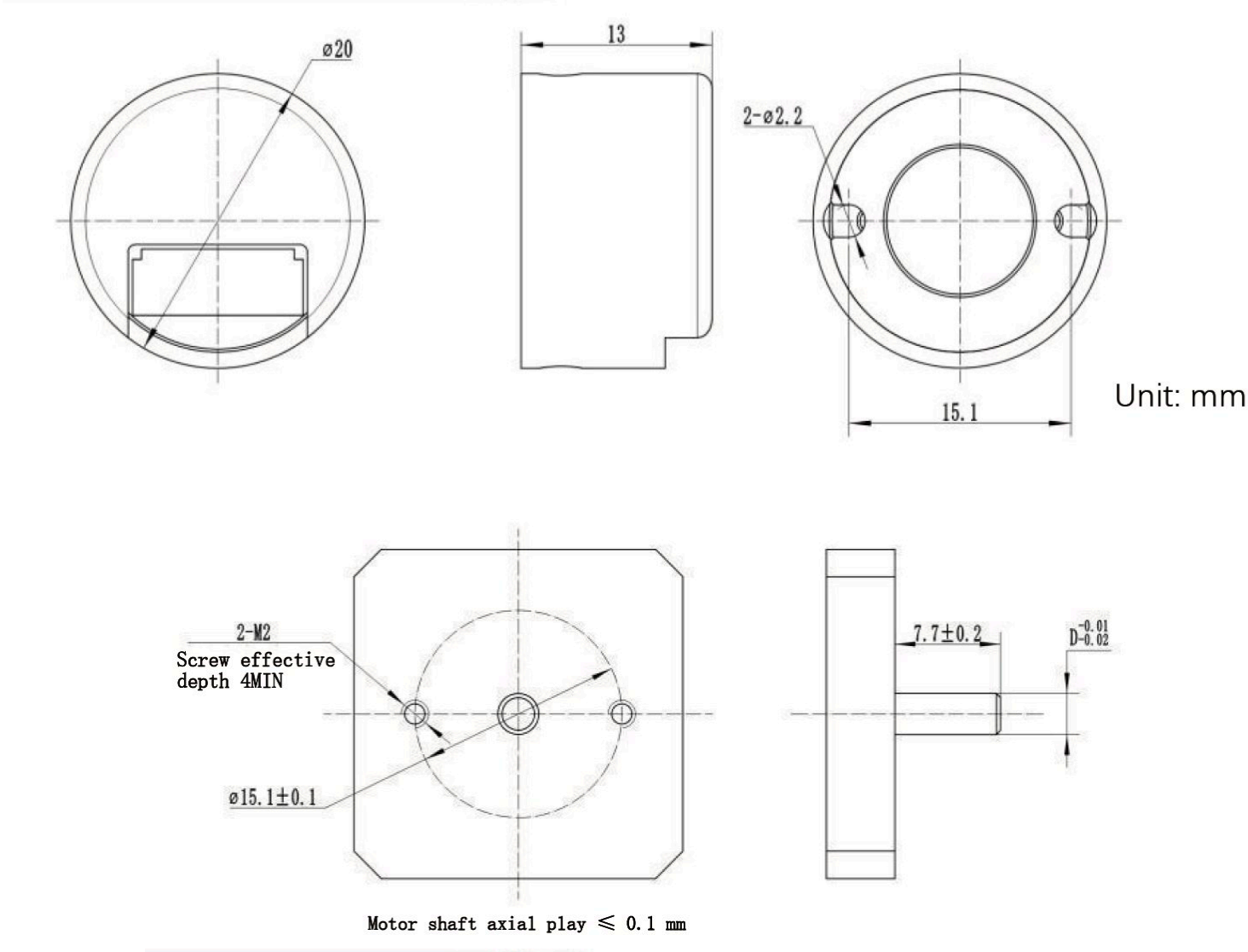
mm



KEY SPECIFICATIONS

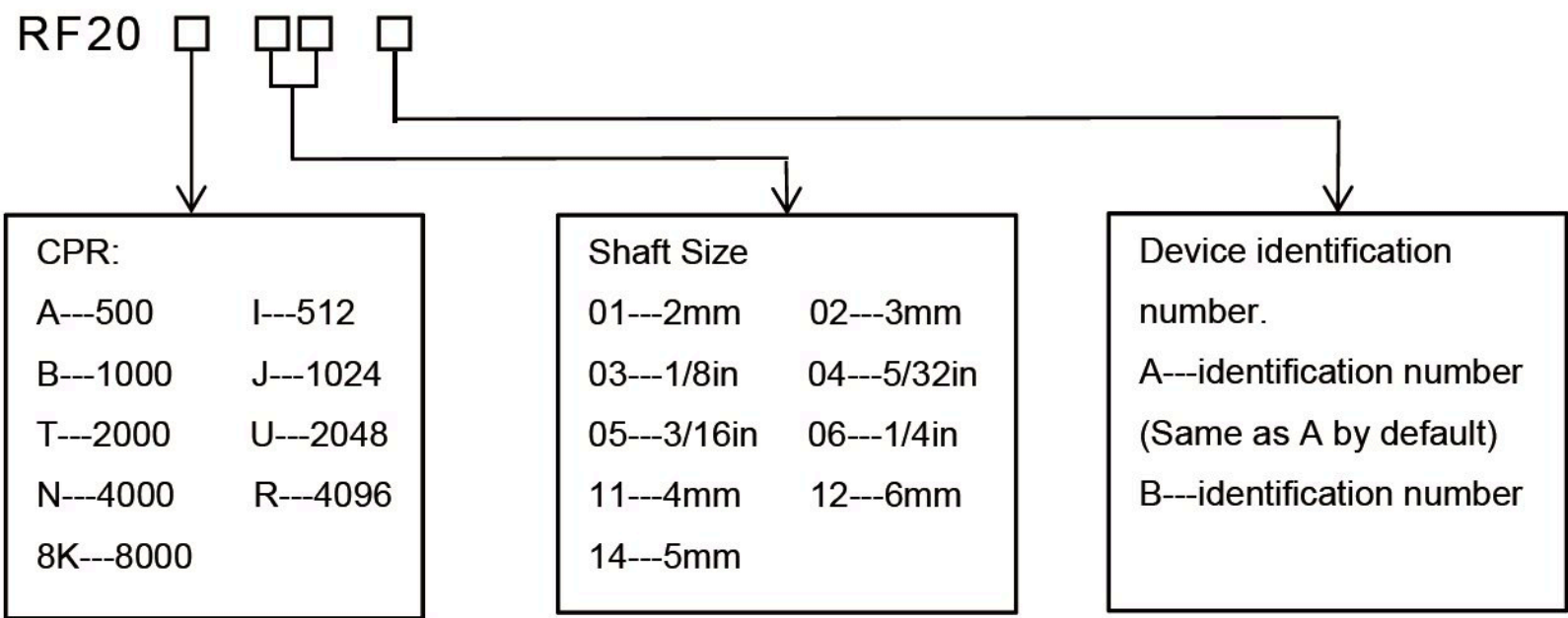
Channels	3-CH Differential
CPR Options	500 ~ 4096 CPR
Maximum Speed	11000 RPM
Supply Voltage	3V ~ 5V DC
Output Method	Differential Line Driver
Operating Temp	-40°C ~ +85°C

MECHANICAL DIMENSION



ORDERING INFORMATION

RF20 - B14 - 5V / Example: RF20-B14-5V



REFLECTIVE · 3-CH

RF28 Series

RF28 series reflective encoder with PCBA and integrated housing design, with code disc, can output three channels of differential signals ranging from 500~4096 CPR. Z signal can be selected from 90°, 180° and 360°, without special instructions, the standard product is 90°. This product is suitable for small size DC motor, stepping motor and servo motor.

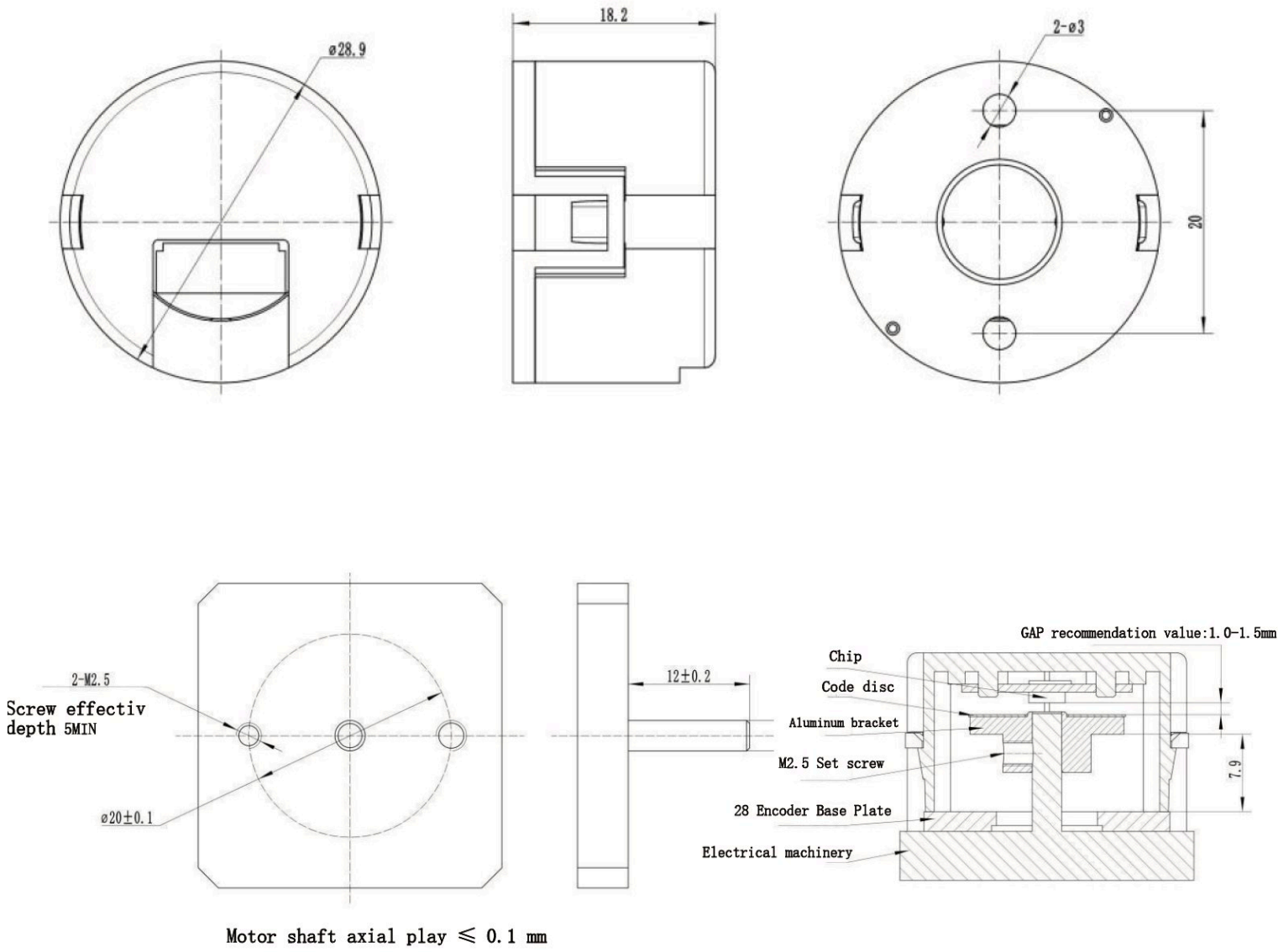
OD
Ø28.9
mm



KEY SPECIFICATIONS

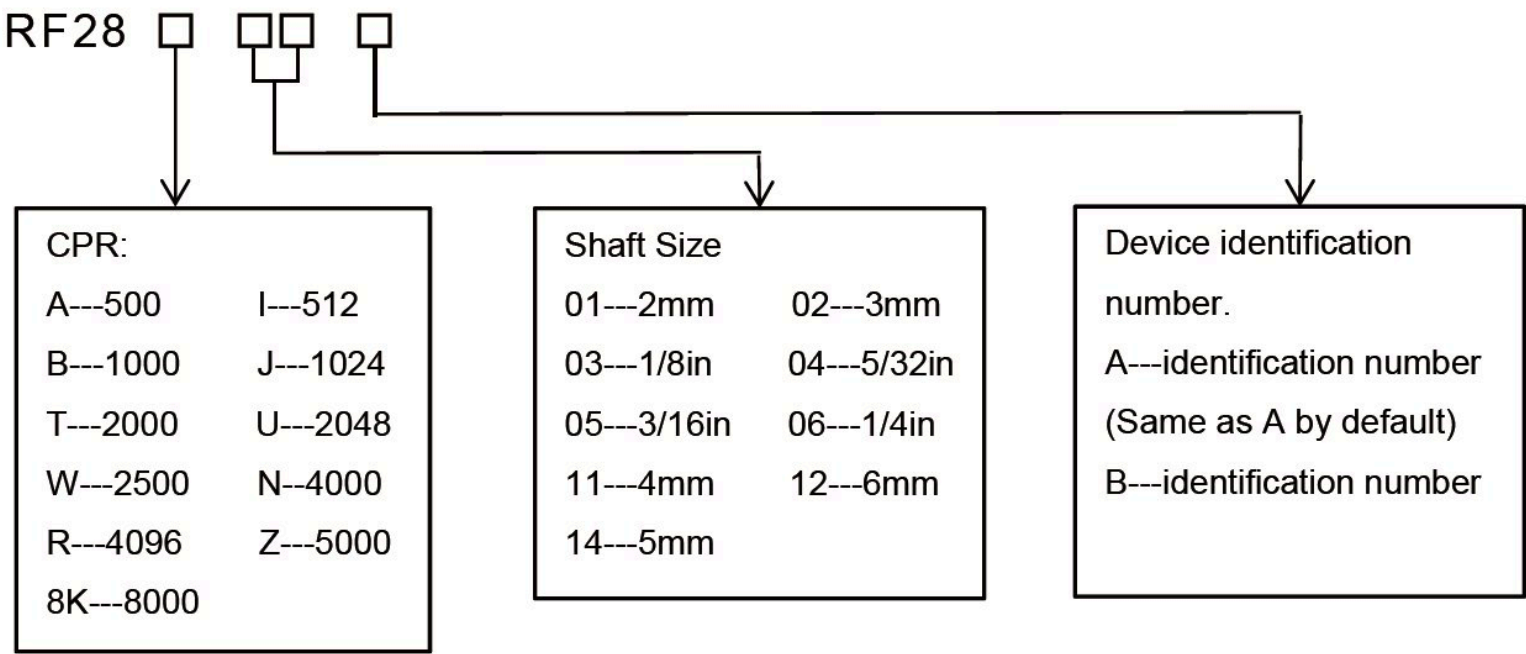
Channels	3-CH Differential
CPR Options	500 ~ 4096 CPR
Maximum Speed	11000 RPM
Supply Voltage	3V ~ 5V DC
Output Method	Differential Line Driver
Operating Temp	-40°C ~ +85°C

MECHANICAL DIMENSION



ORDERING INFORMATION

RF28 - B14 - 5V / Example: RF28-B14-5V



REFLECTIVE · 2-CH

RT28 Series

RT28 series reflective encoder with PCBA and integrated housing design, with code disc, can output two channels of differential signals ranging from 100~1000CPR. This product is suitable for small size DC motor, stepping motor and servo motor.

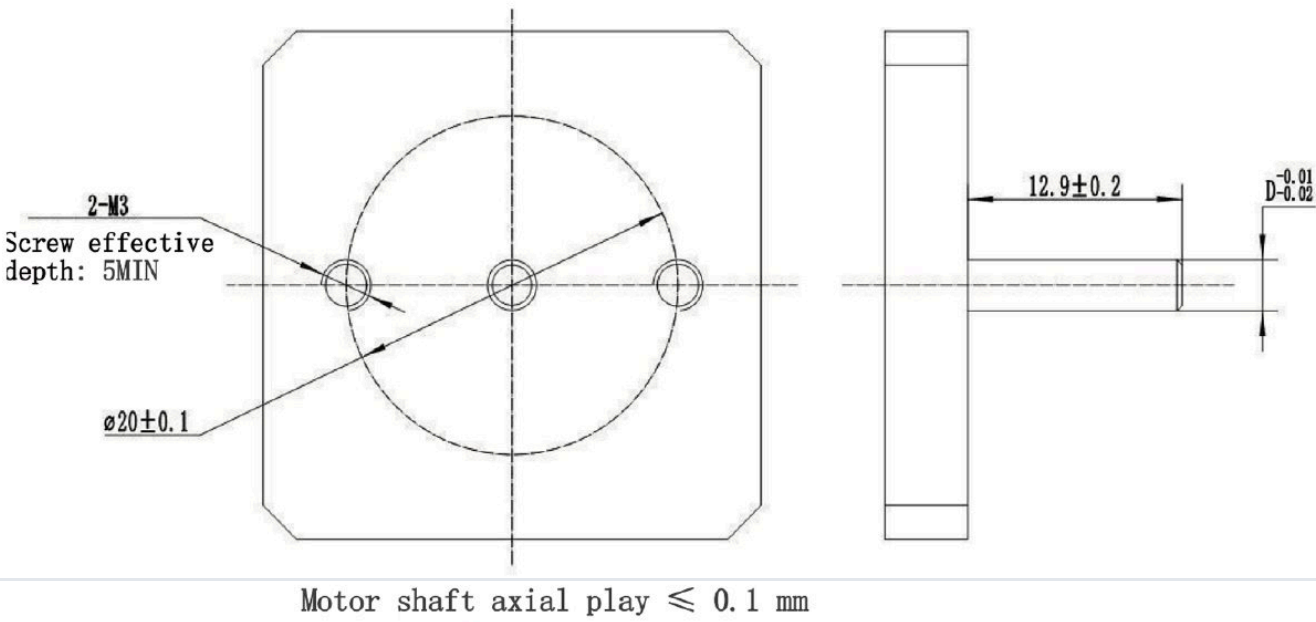
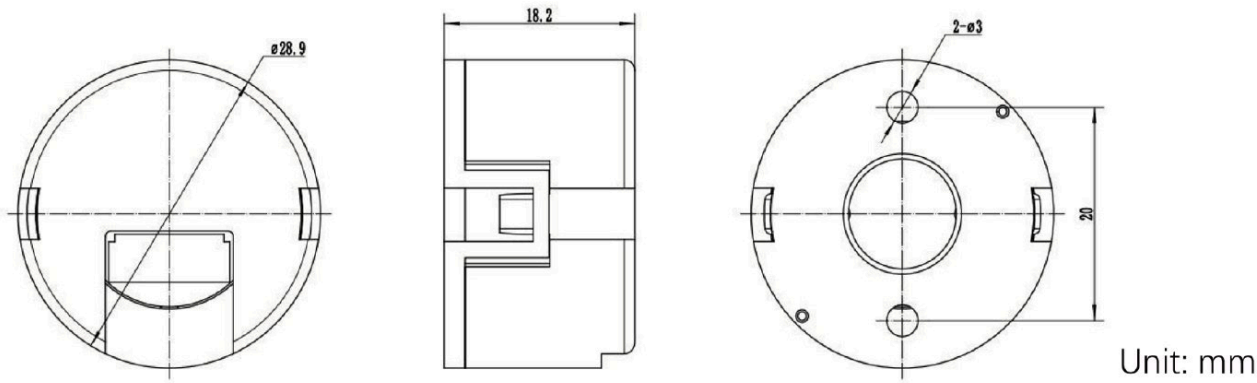
OD
Ø28.9
mm



KEY SPECIFICATIONS

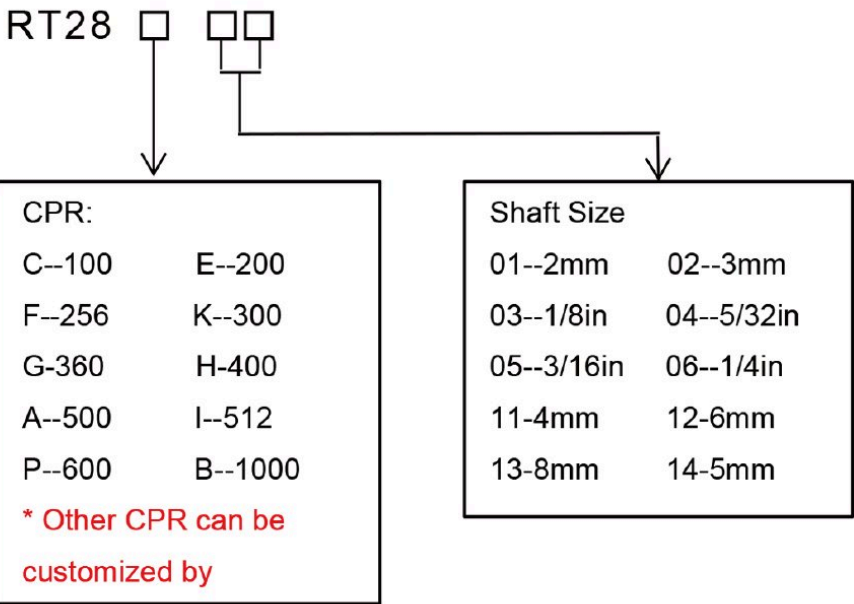
Channels	2-CH Differential
CPR Options	100 ~ 1000 CPR
Maximum Speed	8000 RPM
Supply Voltage	3.3V ~ 5V DC
Output Method	Voltage / Differential A, A/, B, B/
Operating Temp	-40°C ~ +85°C

MECHANICAL DIMENSION



ORDERING INFORMATION

RT28 - B14 - 5V / Example: RT28-B14-5V

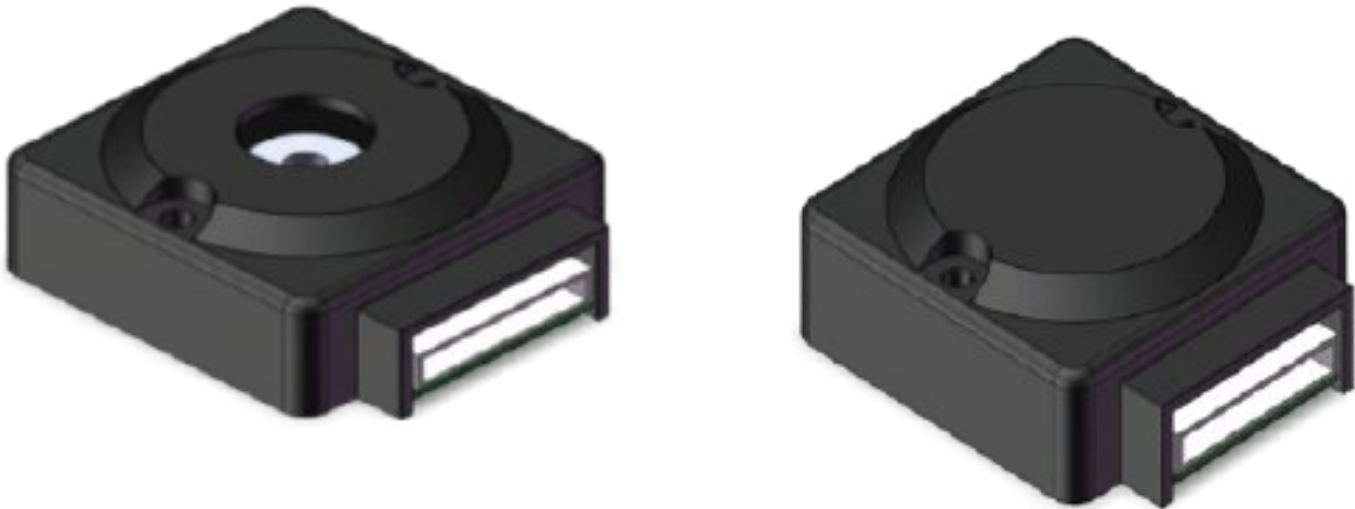


REFLECTIVE · 2/3-CH

RR28 Series

RR28 series reflective encoder with PCBA and integrated housing design, with code disc, can output three channels of differential signals ranging from 500~16000CPR. Z signal can be selected from 90°, 180° and 360°, without special instructions, the standard product is 90°. RR282 series can output two channels of 1000-count differential signals. This product is suitable for small size DC motor, stepping motor and servo motor.

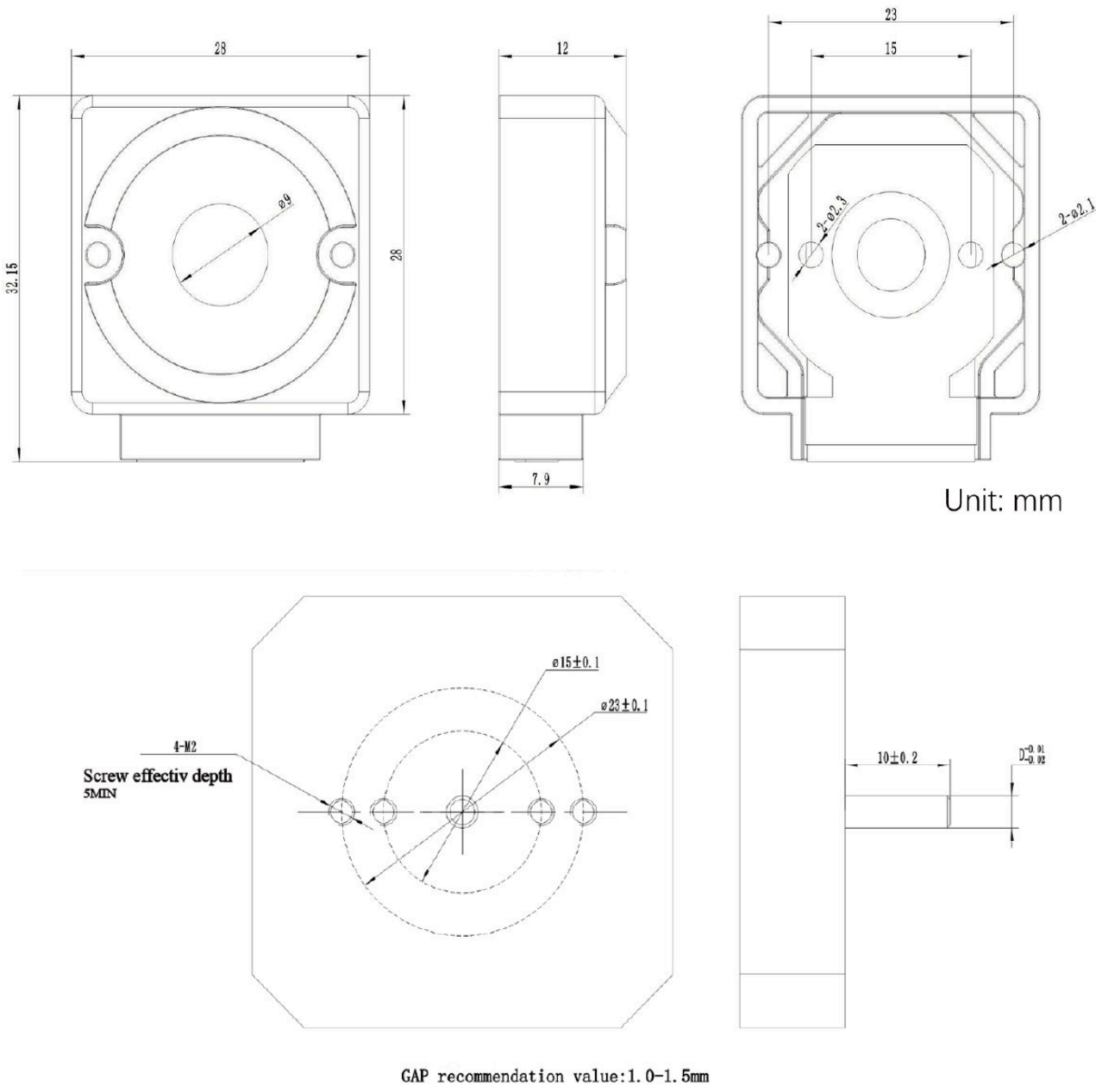
RECOMMENDED GAP
1.0 - 1.5
mm



KEY SPECIFICATIONS

Channels	3-CH / 2-CH Differential
CPR Options	500 ~ 16000 CPR
Maximum Speed	11000 RPM
Supply Voltage	3V ~ 5V DC
Output Method	Differential Line Driver
Operating Temp	-40°C ~ +85°C

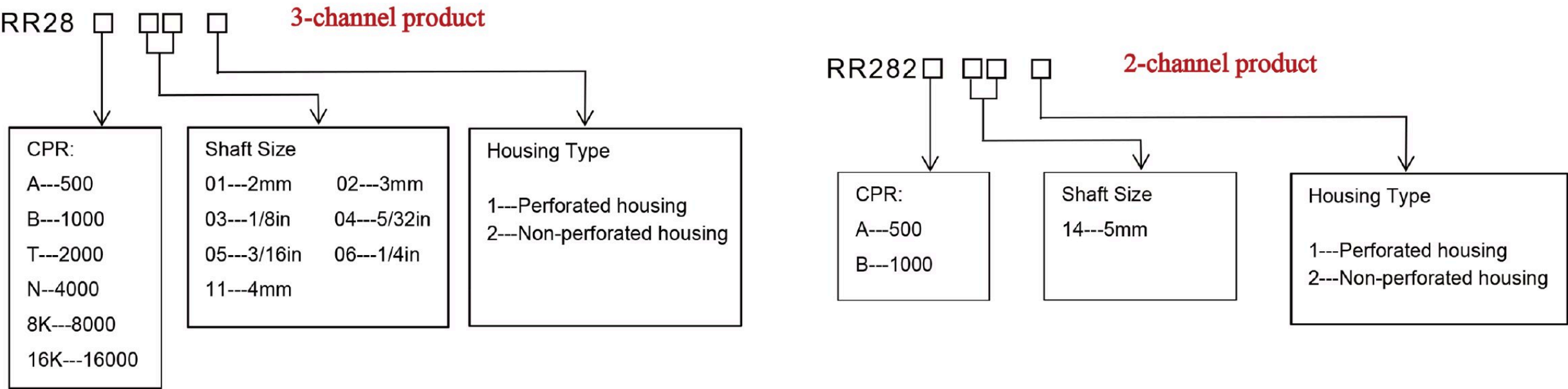
MECHANICAL DIMENSION



Unit: mm

GAP recommendation value:1.0-1.5mm

ORDERING INFORMATION



SOLID SHAFT · INCREMENTAL · SERVO FLANGE

G5806 Series

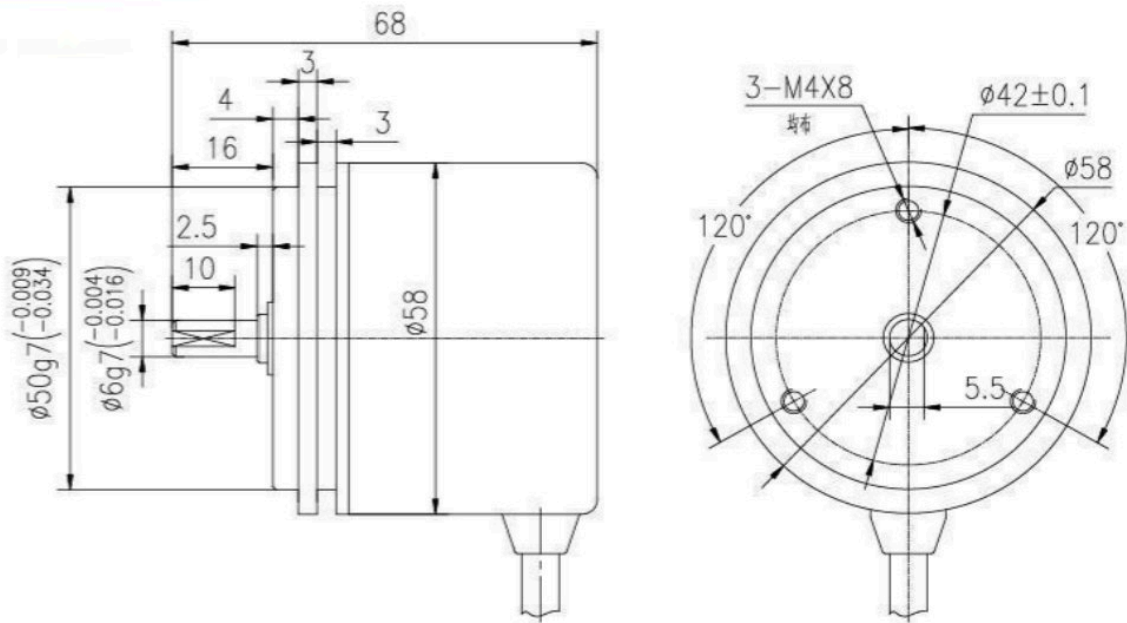
Solid-shaft incremental encoder · built-in servo flange · A/B/Z 3-ch · NPN/PNP/T/F/26LS31/7272 · IP54



KEY SPECIFICATIONS

Resolution	50 ~ 3600 p/r
Output	A / B / Z · NPN / PNP / T / F / L / K
Supply Voltage	DC 5V±0.25V / 5~26V
Response Frequency	0 ~ 500 KHz
Max. Speed	6000 r/min
Operating Temp.	-30°C ~ +85°C

EXTERIOR DIMENSION DRAWING



G5806 Series Solid Shaft A0

ORDERING INFORMATION

G5806	-	□	Z	-	□	-	□	-	□	□
Product Model	Number of Pulses		Number of Phases	Output Method	Power Supply Voltage	Cable Outlet Method		Length		
Number of Pulses: 50, 100, 120, 125, 150, 180, 200, 250, 256, 300, 360, 400, 500, 512, 600, 720, 800, 900, 1000 , 1024, 1200, 1800, 2000 , 2048, 2400, 2500, 3000 , 3600 p/r (or as per customer requirements).		Output Method: C = Open-collector NPN CP = Open-collector PNP T = Voltage Output F = Complementary Output L = 26LS31 Differential Output K = 7272 Wide Voltage Output		Power Supply Voltage: 5 = 5V 24 = 5-24V H = 5-24V Input, 5V Output L = 5V Input, 5-24V Output		Cable Outlet Method: D = Metal Side Outlet G = Rubber Side Outlet H = Socket Side Outlet F = Rubber Rear Outlet		Cable Length: 0.17 = 0.17 meters 1 = 1 meter 2 = 2 meters		

SOLID SHAFT · INCREMENTAL · SERVO FLANGE

G5810-02 Series

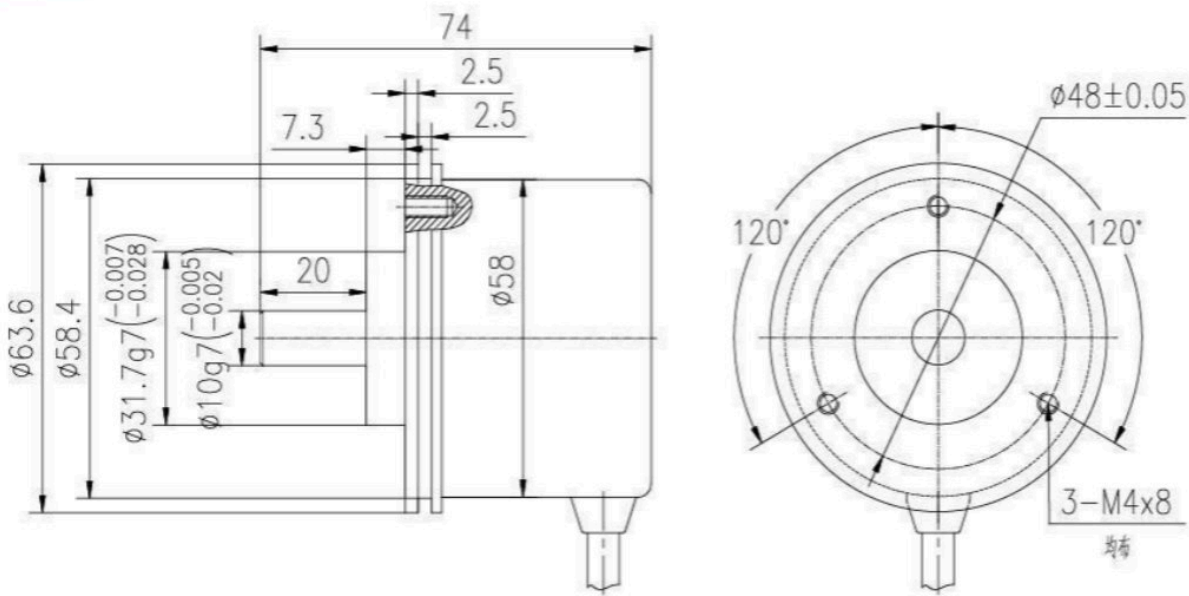
Solid-shaft incremental encoder with built-in servo flange; 3-ch A/B/Z output; open-collector / voltage / complementary / 26LS31 / 7272. IP54 waterproof / oil-proof / dustproof.



KEY SPECIFICATIONS

Resolution	50 ~ 3600 p/r
Output	A / B / Z · NPN / PNP / T / F / L / K
Supply Voltage	DC 5V±0.25V / 5~26V
Response Frequency	0 ~ 500 KHz
Max. Speed	6000 r/min
Operating Temp.	-30°C ~ +85°C

EXTERIOR DIMENSION DRAWING



G5810-02 Series Solid Shaft A0

ORDERING INFORMATION

G5810-02	-	☐	Z	-	☐	-	☐	-	☐	☐
Product Model		Number of Pulses	Number of Phases		Output Method		Power Supply Voltage		Cable Outlet Method	Length
		Number of Pulses: 50, 100, 120, 125, 150, 180, 200, 250, 256, 300, 360, 400, 500, 512, 600, 720, 800, 900, 1000, 1024, 1200, 1800, 2000, 2048, 2400, 2500, 3000, 3600 p/r (or as per customer requirements).		Output Method: C = Open-collector NPN CP = Open-collector PNP T = Voltage Output F = Complementary Output L = 26LS31 Differential Output K = 7272 Wide Voltage Output		Power Supply Voltage: 5 = 5V 24 = 5-24V H = 5-24V Input, 5V Output L = 5V Input, 5-24V Output		Cable Outlet Method: D = Metal Side Outlet G = Rubber Side Outlet H = Socket Side Outlet F = Rubber Rear Outlet		Cable Length: 0.17 = 0.17 meters 1 = 1 meter 2 = 2 meters

SOLID SHAFT · INCREMENTAL · SERVO FLANGE

G3806-03 Series

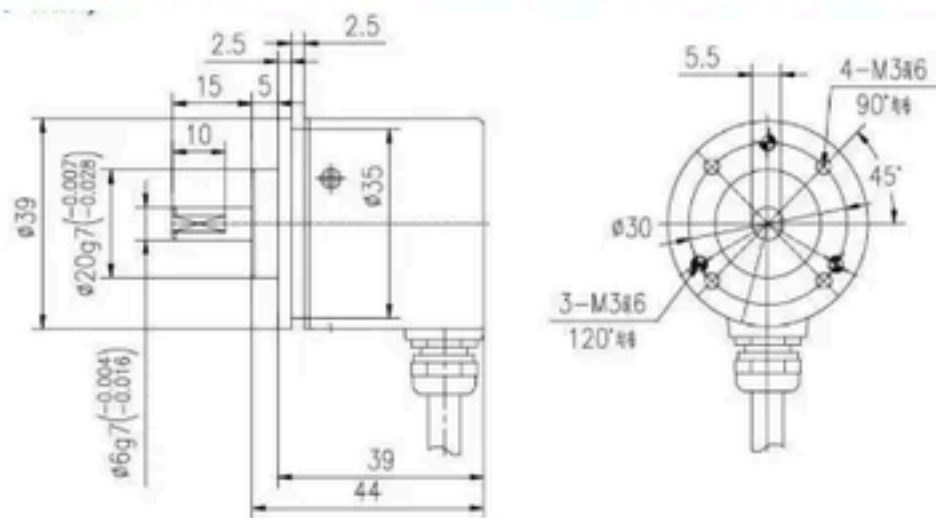
Compact solid-shaft incremental encoder · built-in servo flange · A/B/Z 3-ch · NPN/PNP/T/F/L/K · IP54



KEY SPECIFICATIONS

Resolution	50 ~ 3600 p/r
Output	A / B / Z · NPN / PNP / T / F / L / K
Supply Voltage	DC 5V±0.25V / 5~26V
Response Frequency	0 ~ 500 KHz
Max. Speed	6000 r/min
Operating Temp.	-30°C ~ +85°C

EXTERIOR DIMENSION DRAWING



G3806-03 Series Solid Shaft A0

ORDERING INFORMATION

G3806-03	-	☐	Z	-	☐	-	☐	-	☐	☐
Product Model		Number of Pulses	Number of Phases		Output Method		Power Supply Voltage		Cable Outlet Method	Length
Number of Pulses: 50, 100, 120, 125, 150, 180, 200, 250, 256, 300, 360, 400, 500, 512, 600, 720, 800, 900, 1000 , 1024, 1200, 1800, 2000 , 2048, 2400, 2500, 3000 , 3600 p/r (or as per customer requirements).		Output Method: C = Open-collector NPN CP = Open-collector PNP T = Voltage Output F = Complementary Output L = 26LS31 Differential Output K = 7272 Wide Voltage Output			Power Supply Voltage: 5 = 5V 24 = 5-24V H = 5-24V Input, 5V Output L = 5V Input, 5-24V Output		Cable Outlet Method: D = Metal Side Outlet G = Rubber Side Outlet H = Socket Side Outlet F = Rubber Rear Outlet		Cable Length: 0.17 = 0.17 meters 1 = 1 meter 2 = 2 meters	

G2803 Series

Resolution	50 ~ 3600 p/r
Output	A / B / Z · NPN / PNP / T / F / L / K
Supply Voltage	DC 5V±0.25V / 5~30V
Response Frequency	0 ~ 80 KHz
Max. Speed	6000 r/min
Operating Temp.	-20°C ~ +80°C

2

The diagram illustrates the G2803 product code structure. At the top, an example code is shown: **G2803** - ☐ **Z** - ☐ - ☐ - ☐ - ☐ - ☐. Below this, a table defines each field in the code.

Product Model	Number of Pulses	Number of Phases	Output Method	Power Supply Voltage	Cable Outlet Method	Length
Number of Pulses: 50, 100, 120, 125, 150, 180, 200, 250, 256, 300, 360, 400, 500, 512, 600, 720, 800, 900, 1000 , 1024, 1200, 1800, 2000 , 2048, 2400, 2500, 3000 , 3600 p/r (or as per customer requirements).	Output Method: C = Open-collector NPN CP = Open-collector PNP T = Voltage Output F = Complementary Output L = 26LS31 Differential Output K = 7272 Wide Voltage Output	Power Supply Voltage: 5 = 5V 24 = 5-24V H = 5-24V Input, 5V Output L = 5V Input, 5-24V Output	Cable Outlet Method: D = Metal Side Outlet G = Rubber Side Outlet H = Socket Side Outlet F = Rubber Rear Outlet	Cable Length: 0.17 = 0.17 meters 1 = 1 meter 2 = 2 meters		

G2504 Series

Resolution	50 ~ 3600 p/r
Output	A / B / Z · NPN / PNP / T / F / L / K
Supply Voltage	DC 5V±0.25V / 5~30V
Response Frequency	0 ~ 80 KHz
Max. Speed	6000 r/min
Operating Temp.	-20°C ~ +80°C

2

G2504 - ☐ **Z** - ☐ - ☐ - ☐ - ☐ ☐

Product Model	Number of Pulses	Number of Phases	Output Method	Power Supply Voltage	Cable Outlet Method	Length
Number of Pulses: 50, 100, 120, 125, 150, 180, 200, 250, 256, 300, 360, 400, 500, 512, 600, 720, 800, 900, 1000 , 1024, 1200, 1800, 2000 , 2048, 2400, 2500, 3000 , 3600 p/r (or as per customer requirements).	Output Method: C = Open-collector NPN CP = Open-collector PNP T = Voltage Output F = Complementary Output L = 26LS31 Differential Output K = 7272 Wide Voltage Output	Power Supply Voltage: 5 = 5V 24 = 5-24V H = 5-24V Input, 5V Output L = 5V Input, 5-24V Output	Cable Outlet Method: D = Metal Side Outlet G = Rubber Side Outlet H = Socket Side Outlet F = Rubber Rear Outlet	Cable Length: 0.17 = 0.17 meters 1 = 1 meter 2 = 2 meters		

SOLID SHAFT · INCREMENTAL · AVIATION PLUG

S7008 Series

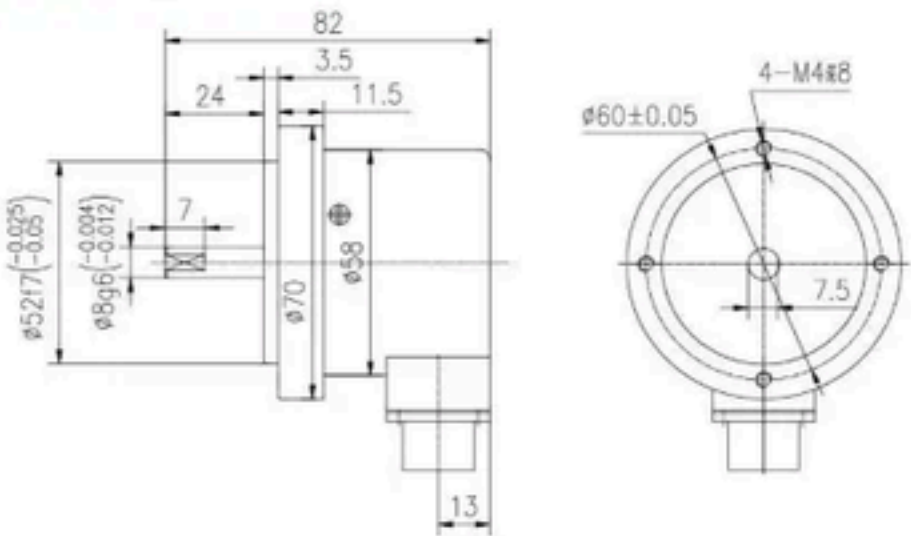
Solid-shaft incremental encoder with aviation plug connector · A/B/Z 3-ch · NPN/PNP/T/F/L/K · IP54



KEY SPECIFICATIONS

Resolution	50 ~ 3600 p/r
Output	A / B / Z · NPN / PNP / T / F / L / K
Supply Voltage	DC 5V±0.25V / 5~26V
Response Frequency	0 ~ 500 KHz
Max. Speed	5000 r/min
Operating Temp.	-30°C ~ +85°C

EXTERIOR DIMENSION DRAWING



S7008 Series Solid Shaft A0

ORDERING INFORMATION

S7008	-	☐	Z	-	☐	-	☐	-	☐	☐
Product Model		Number of Pulses	Number of Phases		Output Method		Power Supply Voltage		Cable Outlet Method	Length
Number of Pulses: 50, 100, 120, 125, 150, 180, 200, 250, 256, 300, 360, 400, 500, 512, 600, 720, 800, 900, 1000 , 1024, 1200, 1800, 2000 , 2048, 2400, 2500, 3000 , 3600 p/r (or as per customer requirements).		Output Method: C = Open-collector NPN CP = Open-collector PNP T = Voltage Output F = Complementary Output L = 26LS31 Differential Output K = 7272 Wide Voltage Output		Power Supply Voltage: 5 = 5V 24 = 5-24V H = 5-24V Input, 5V Output L = 5V Input, 5-24V Output		Cable Outlet Method: D = Metal Side Outlet G = Rubber Side Outlet H = Socket Side Outlet F = Rubber Rear Outlet		Cable Length: 0.17 = 0.17 meters 1 = 1 meter 2 = 2 meters		

SOLID SHAFT · INCREMENTAL · AVIATION PLUG

S5810 Series

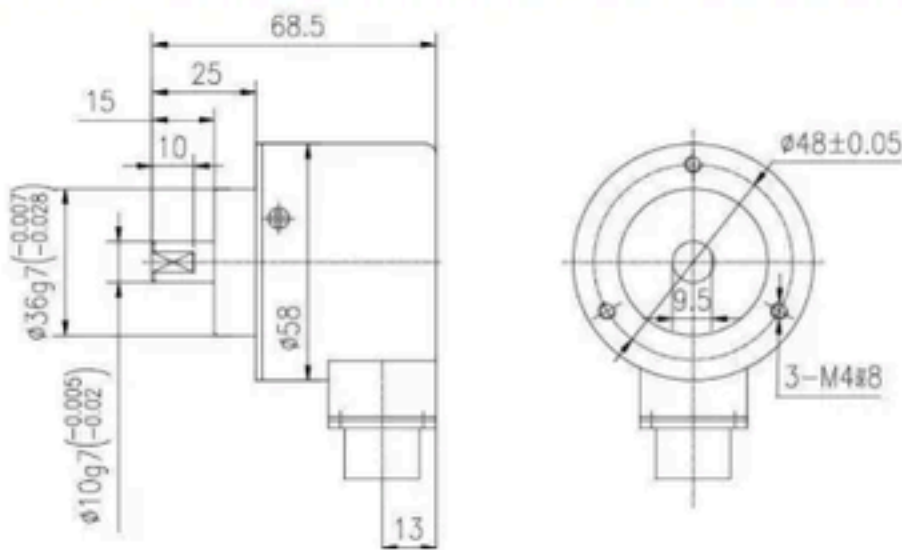
Industrial solid-shaft incremental encoder · aviation plug output · A/B/Z 3-ch · NPN/PNP/T/F/L/K · IP54



KEY SPECIFICATIONS

Resolution	50 ~ 3600 p/r
Output	A / B / Z · NPN / PNP / T / F / L / K
Supply Voltage	DC 5V±0.25V / 5~26V
Response Frequency	0 ~ 500 KHz
Max. Speed	6000 r/min
Operating Temperature	-30°C ~ +85°C

EXTERIOR DIMENSION DRAWING



S5810 Series Solid Shaft A0

ORDERING INFORMATION

S5810	-	□	Z	-	□	-	□	-	□	□
Product Model	Number of Pulses	Number of Phases	Output Method	Power Supply Voltage	Cable Outlet Method	Length				
Number of Pulses: 50, 100, 120, 125, 150, 180, 200, 250, 256, 300, 360, 400, 500, 512, 600, 720, 800, 900, 1000 , 1024, 1200, 1800, 2000 , 2048, 2400, 2500, 3000 , 3600 p/r (or as per customer requirements).		Output Method: C = Open-collector NPN CP = Open-collector PNP T = Voltage Output F = Complementary Output L = 26LS31 Differential Output K = 7272 Wide Voltage Output		Power Supply Voltage: 5 = 5V 24 = 5-24V H = 5-24V Input, 5V Output L = 5V Input, 5-24V Output		Cable Outlet Method: D = Metal Side Outlet G = Rubber Side Outlet H = Socket Side Outlet F = Rubber Rear Outlet		Cable Length: 0.17 = 0.17 meters 1 = 1 meter 2 = 2 meters		

SOLID SHAFT · INCREMENTAL · AVIATION PLUG

S3004 Series

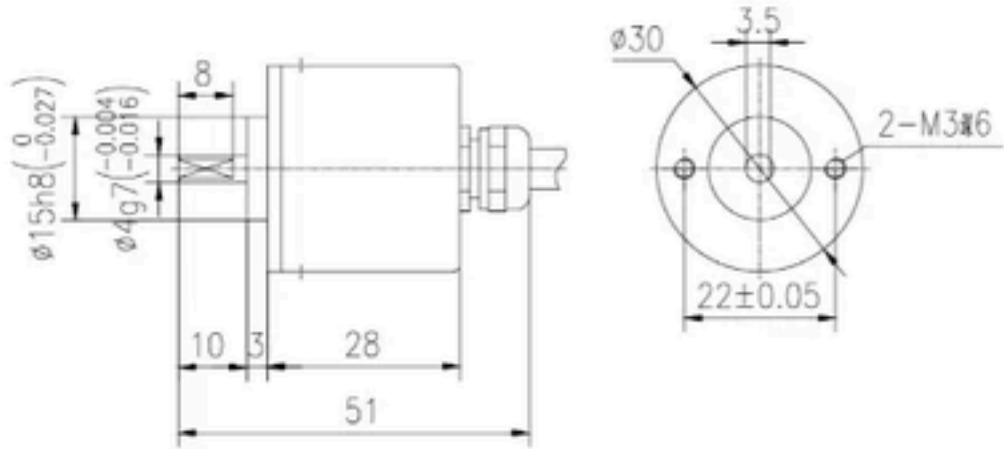
Compact solid-shaft incremental encoder · aviation plug output · A/B/Z 3-ch · NPN/PNP/T/F/L/K · IP54



KEY SPECIFICATIONS

Resolution	50 ~ 3600 p/r
Output	A / B / Z · NPN / PNP / T / F / L / K
Supply Voltage	DC 5V±0.25V / 5~30V
Response Frequency	0 ~ 80 KHz
Max. Speed	6000 r/min
Operating Temperature	-20°C ~ +80°C
Number of Pulses	120

EXTERIOR DIMENSION DRAWING



S3004Series Solid Shaft A0

ORDERING INFORMATION

S3004	-	□	Z	-	□	-	□	-	□	□		
Product Model		Number of Pulses	Number of Phases		Output Method		Power Supply Voltage		Cable Outlet Method	Length		
		Number of Pulses: 50, 100, 120, 125, 150, 180, 200, 250, 256, 300, 360, 400, 500, 512, 600, 720, 800, 900, 1000 , 1024, 1200, 1800, 2000 , 2048, 2400, 2500, 3000 , 3600 p/r (or as per customer requirements).			Output Method: C = Open-collector NPN CP = Open-collector PNP T = Voltage Output F = Complementary Output L = 26LS31 Differential Output K = 7272 Wide Voltage Output			Power Supply Voltage: 5 = 5V 24 = 5-24V H = 5-24V Input, 5V Output L = 5V Input, 5-24V Output			Cable Outlet Method: D = Metal Side Outlet G = Rubber Side Outlet H = Socket Side Outlet F = Rubber Rear Outlet	Cable Length: 0.17 = 0.17 meters 1 = 1 meter 2 = 2 meters

SOLID SHAFT · INCREMENTAL · AVIATION PLUG

S2804 Series

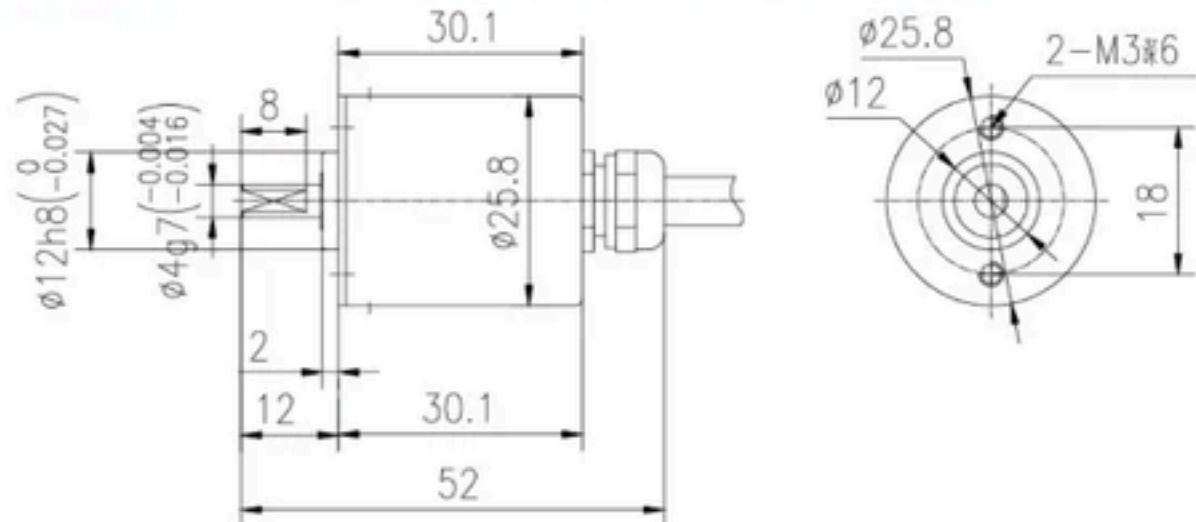
Compact solid-shaft incremental encoder · aviation plug output · A/B/Z 3-ch · NPN/PNP/T/F/L/K · IP54



KEY SPECIFICATIONS

Resolution	50 ~ 3600 p/r
Output	A / B / Z · NPN / PNP / T / F / L / K
Supply Voltage	DC 5V±0.25V / 5~30V
Response Frequency	0 ~ 80 KHz
Max. Speed	6000 r/min
Operating Temperature	-20°C ~ +80°C

EXTERIOR DIMENSION DRAWING



S2804 Series Solid Shaft A0

ORDERING INFORMATION

S2804	-	□	Z	-	□	-	□	-	□	□
Product Model	Number of Pulses	Number of Phases	Output Method	Power Supply Voltage	Cable Outlet Method	Length				
Number of Pulses: 50, 100, 120, 125, 150, 180, 200, 250, 256, 300, 360, 400, 500, 512, 600, 720, 800, 900, 1000, 1024, 1200, 1800, 2000, 2048, 2400, 2500, 3000, 3600 p/r (or as per customer requirements).		Output Method: C = Open-collector NPN CP = Open-collector PNP T = Voltage Output F = Complementary Output L = 26LS31 Differential Output K = 7272 Wide Voltage Output		Power Supply Voltage: 5 = 5V 24 = 5-24V H = 5-24V Input, 5V Output L = 5V Input, 5-24V Output		Cable Outlet Method: D = Metal Side Outlet G = Rubber Side Outlet H = Socket Side Outlet F = Rubber Rear Outlet		Cable Length: 0.17 = 0.17 meters 1 = 1 meter 2 = 2 meters		

SOLID SHAFT · INCREMENTAL · AVIATION PLUG

S2504 Series

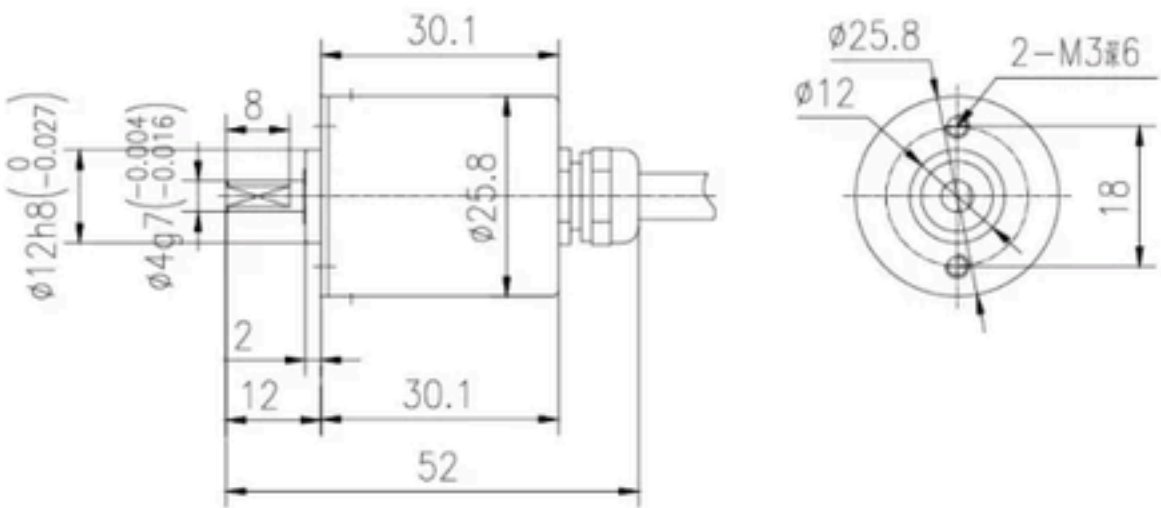
Compact solid-shaft incremental encoder · aviation plug output · A/B/Z 3-ch · NPN/PNP/T/F/L/K · IP54



KEY SPECIFICATIONS

Resolution	50 ~ 3600 p/r
Output	A / B / Z · NPN / PNP / T / F / L / K
Supply Voltage	DC 5V±0.25V / 5~30V
Response Frequency	0 ~ 80 KHz
Max. Speed	6000 r/min
Operating Temperature	-20°C ~ +80°C
Number of Pulses	120

EXTERIOR DIMENSION DRAWING



S2504 Series Solid Shaft A0

ORDERING INFORMATION

S2504	-	□	Z	-	□	-	□	-	□	□		
Product Model		Number of Pulses	Number of Phases		Output Method		Power Supply Voltage		Cable Outlet Method	Length		
		Number of Pulses: 50, 100, 120, 125, 150, 180, 200, 250, 256, 300, 360, 400, 500, 512, 600, 720, 800, 900, 1000 . 1024, 1200, 1800, 2000 . 2048, 2400, 2500, 3000 . 3600 p/r (or as per customer requirements).			Output Method: C = Open-collector NPN CP = Open-collector PNP T = Voltage Output F = Complementary Output L = 26LS31 Differential Output K = 7272 Wide Voltage Output			Power Supply Voltage: 5 = 5V 24 = 5-24V H = 5-24V Input, 5V Output L = 5V Input, 5-24V Output			Cable Outlet Method: D = Metal Side Outlet G = Rubber Side Outlet H = Socket Side Outlet F = Rubber Rear Outlet	Cable Length: 0.17 = 0.17 meters 1 = 1 meter 2 = 2 meters

SOLID SHAFT · INCREMENTAL · KEYED FLANGE

F5815-01 Series

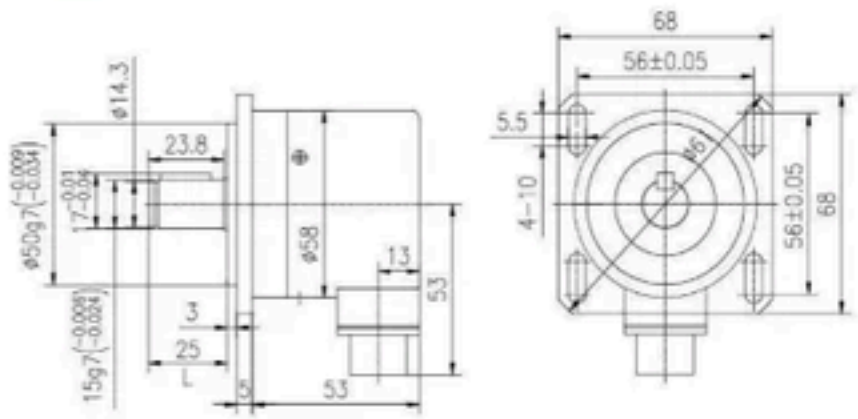
Industrial solid-shaft incremental encoder · keyed flange output · A/B/Z 3-ch · NPN/PNP/T/F/L/K · IP54



KEY SPECIFICATIONS

Resolution	50 ~ 3600 p/r
Output	A / B / Z · NPN / PNP / T / F / L / K
Supply Voltage	DC 5V±0.25V / 5~26V
Response Frequency	0 ~ 500 KHz
Max. Speed	6000 r/min
Operating Temperature	-30°C ~ +85°C
Number of Pulses	120

EXTERIOR DIMENSION DRAWING



F5815-01 Series Solid Shaft A0

ORDERING INFORMATION

F5815-01	-	□	Z	-	□	-	□	-	□	□
Product Model		Number of Pulses	Number of Phases		Output Method		Power Supply Voltage		Cable Outlet Method	Length
		Number of Pulses: 50, 100, 120, 125, 150, 180, 200, 250, 256, 300, 360, 400, 500, 512, 600, 720, 800, 900, 1000 , 1024, 1200, 1800, 2000 , 2048, 2400, 2500, 3000 , 3600 p/r (or as per customer requirements).			Output Method: C = Open-collector NPN CP = Open-collector PNP F = Complementary Output L = 26LS31 Differential Output K = 7272 Wide Voltage Output			Power Supply Voltage: 5 = 5V 24 = 5-24V H = 5-24V Input, 5V Output L = 5V Input, 5-24V Output	Cable Outlet Method: D = Metal Side Outlet G = Rubber Side Outlet H = Socket Side Outlet F = Rubber Rear Outlet	
										Cable Length: 0.17 = 0.17 meters 1 = 1 meter 2 = 2 meters

SOLID SHAFT · INCREMENTAL · KEYED FLANGE

F5815-02 Series

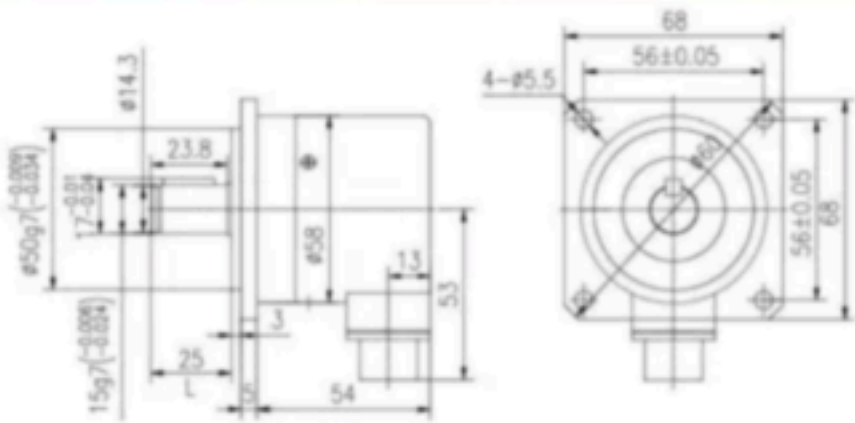
Industrial solid-shaft incremental encoder · keyed flange output · A/B/Z 3-ch · NPN/PNP/T/F/L/K · IP54



KEY SPECIFICATIONS

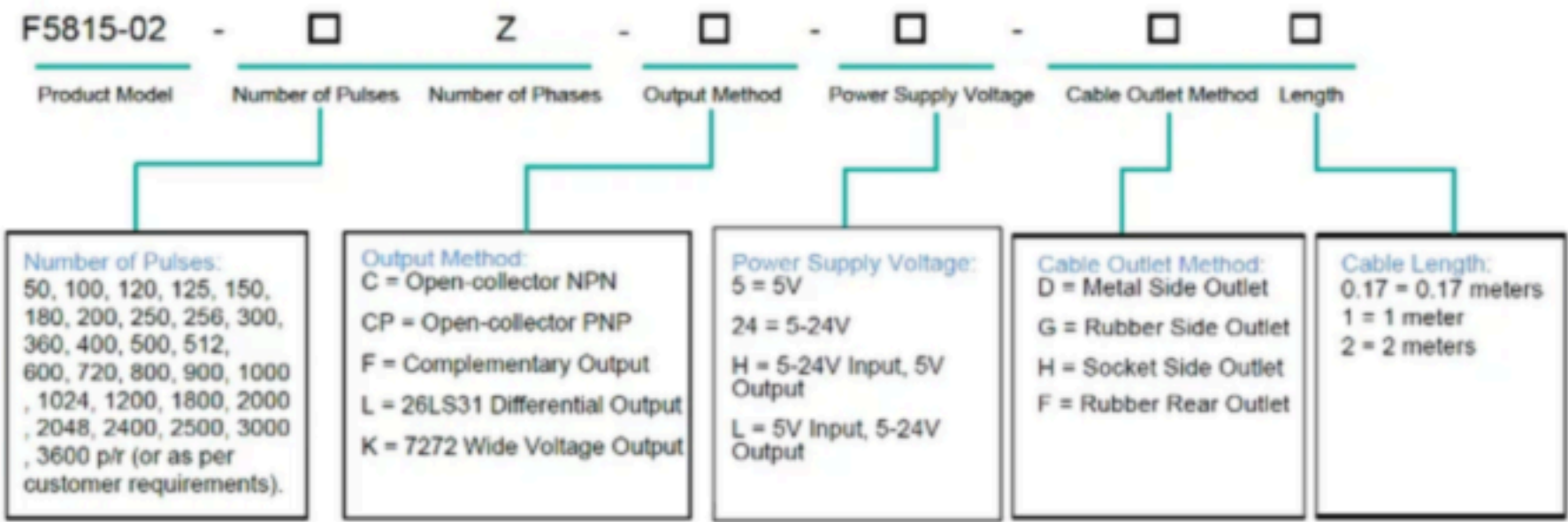
Resolution	50 ~ 3600 p/r
Output	A/B/Z · NPN/PNP/T/F/L/K
Supply Voltage	DC 5V±0.25V / 5~26V
Response Frequency	0 ~ 500KHz
Max Speed	6000 r/min
Operating Temperature	-30°C ~ +85°C

EXTERIOR DIMENSION
DRAWING



F5815-02 Series Solid Shaft A0

ORDERING INFORMATION



SOLID SHAFT · INCREMENTAL · KEYED FLANGE

F5820 Series

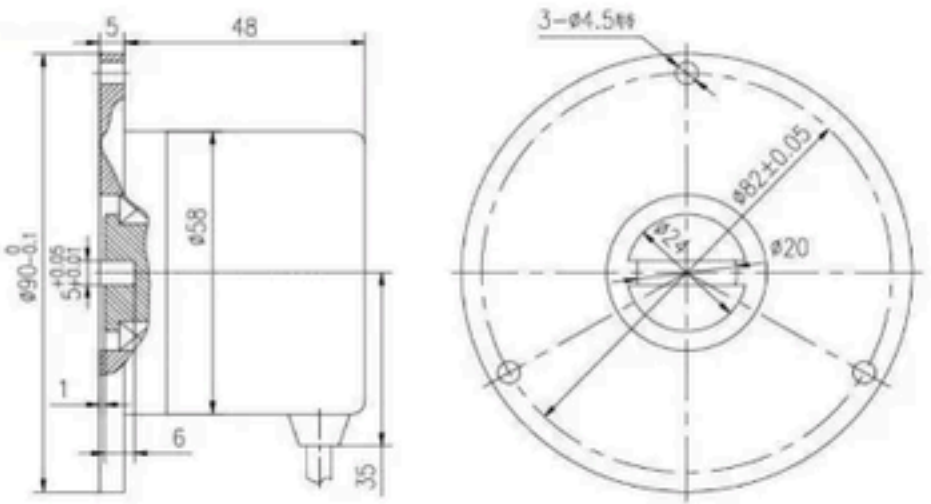
Industrial solid-shaft incremental encoder · keyed flange output · A/B/Z 3-ch · NPN/PNP/T/F/L/K · IP54



KEY SPECIFICATIONS

Resolution	50 ~ 3600 p/r
Output	A / B / Z · NPN / PNP / T / F / L / K
Supply Voltage	DC 5V±0.25V / 5~26V
Response Frequency	0 ~ 500 KHz
Max. Speed	6000 r/min
Operating Temperature	-30°C ~ +85°C

EXTERIOR DIMENSION DRAWING



F5820 Series Solid Shaft A0

ORDERING INFORMATION

F5820-01	-	□	Z	-	□	-	□	-	□	□		
Product Model		Number of Pulses	Number of Phases		Output Method		Power Supply Voltage		Cable Outlet Method	Length		
		Number of Pulses: 50, 100, 120, 125, 150, 180, 200, 250, 256, 300, 360, 400, 500, 512, 600, 720, 800, 900, 1000 , 1024, 1200, 1800, 2000 , 2048, 2400, 2500, 3000 , 3600 p/r (or as per customer requirements).			Output Method: C = Open-collector NPN CP = Open-collector PNP F = Complementary Output L = 26LS31 Differential Output K = 7272 Wide Voltage Output			Power Supply Voltage: 5 = 5V 24 = 5-24V H = 5-24V Input, 5V Output L = 5V Input, 5-24V Output			Cable Outlet Method: D = Metal Side Outlet G = Rubber Side Outlet H = Socket Side Outlet F = Rubber Rear Outlet	Cable Length: 0.17 = 0.17 meters 1 = 1 meter 2 = 2 meters

F5810-05 Series



Resolution	50 ~ 3600 p/r
Output	A / B / Z · NPN / PNP / T / F / L / K
Supply Voltage	DC 5V±0.25V / 5~30V
Response Frequency	0 ~ 80 KHz
Max. Speed	6000 r/min
Operating Temperature	0°C ~ +85°C
Number of Pulses	120

2

Product Model	Number of Pulses	Number of Phases	Output Method	Power Supply Voltage	Cable Outlet Method	Length
F5810-05	□	Z	□	□	□	□

Cable Length:
0.17 = 0.17 meters
1 = 1 meter
2 = 2 meters

HOLLOW SHAFT · INCREMENTAL · DIRECT MOUNT

H10045 Series

Industrial hollow-shaft incremental encoder · direct mount · A/B/Z 3-ch · NPN/PNP/T/F/L/K · IP54

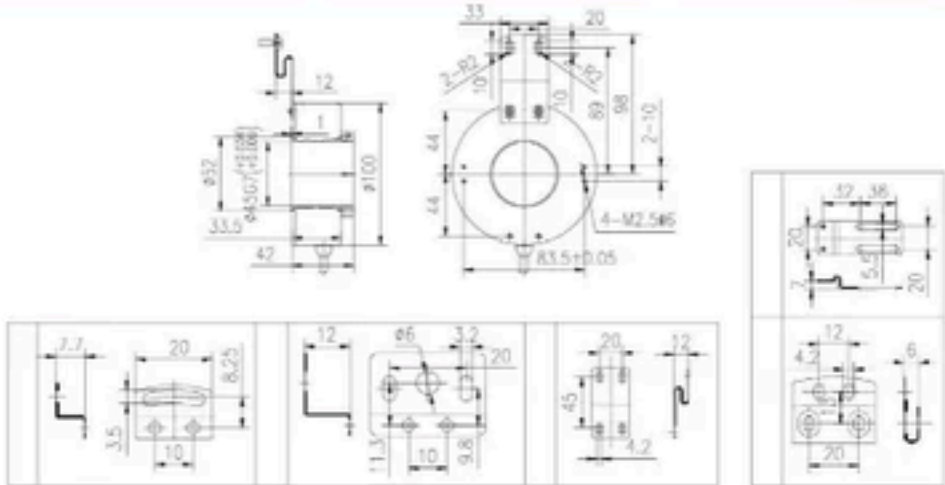


KEY SPECIFICATIONS

Resolution	50 ~ 3600 p/r
Output	A/B/Z · NPN/PNP/T/F/L/K
Supply Voltage	DC 5V±0.25V or 5~26V
Response Frequency	0 ~ 500 KHz
Max Speed	4000 r/min
Operating Temperature	-30°C ~ +85°C

EXTERIOR DIMENSION
DRAWING

Installation Dimensions



H10045 Series Hollow Shaft A0

ORDERING INFORMATION

H10045	-	□	Z	-	□	-	□	-	□	□
Product Model		Number of Pulses	Number of Phases		Output Method		Power Supply Voltage		Cable Outlet Method	Length
		Number of Pulses: 50, 100, 120, 125, 150, 180, 200, 250, 256, 300, 360, 400, 500, 512, 600, 720, 800, 900, 1000 , 1024, 1200, 1800, 2000 , 2048, 2400, 2500, 3000 , 3600 p/r (or as per customer requirements).			Output Method: C = Open-collector NPN CP = Open-collector PNP F = Complementary Output L = 26LS31 Differential Output K = 7272 Wide Voltage Output	Power Supply Voltage: 5 = 5V 24 = 5-24V H = 5-24V Input, 5V Output L = 5V Input, 5-24V Output		Cable Outlet Method: D = Metal Side Outlet G = Rubber Side Outlet H = Socket Side Outlet F = Rubber Rear Outlet		Cable Length: 0.17 = 0.17 meters 1 = 1 meter 2 = 2 meters

UK3508 Series

A close-up of a metal electrical connector. It features a central brass contact with a circular opening. The connector is mounted on a metal base with two mounting tabs. A label on the side lists various connection types: "CONNECTIONS", "1/2", "3/4", "1", "1 1/2", "2", "2 1/2", "3", "3 1/2", "4", "4 1/2", "5", "5 1/2", "6", "6 1/2", "7", "7 1/2", "8", "8 1/2", "9", "9 1/2", "10", "10 1/2", "11", "11 1/2", "12", "12 1/2", "13", "13 1/2", "14", "14 1/2", "15", "15 1/2", "16", "16 1/2", "17", "17 1/2", "18", "18 1/2", "19", "19 1/2", "20", "20 1/2", "21", "21 1/2", "22", "22 1/2", "23", "23 1/2", "24", "24 1/2", "25", "25 1/2", "26", "26 1/2", "27", "27 1/2", "28", "28 1/2", "29", "29 1/2", "30", "30 1/2", "31", "31 1/2", "32", "32 1/2", "33", "33 1/2", "34", "34 1/2", "35", "35 1/2", "36", "36 1/2", "37", "37 1/2", "38", "38 1/2", "39", "39 1/2", "40", "40 1/2", "41", "41 1/2", "42", "42 1/2", "43", "43 1/2", "44", "44 1/2", "45", "45 1/2", "46", "46 1/2", "47", "47 1/2", "48", "48 1/2", "49", "49 1/2", "50", "50 1/2", "51", "51 1/2", "52", "52 1/2", "53", "53 1/2", "54", "54 1/2", "55", "55 1/2", "56", "56 1/2", "57", "57 1/2", "58", "58 1/2", "59", "59 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Resolution	50 ~ 3600 p/r
Output	A/B/Z + U/V/W · NPN/PNP/T/F/L/K
Supply Voltage	DC 5V±0.25V
Response Frequency	0 ~ 500 KHz
Max Speed	6000 r/min
Operating Temperature	-20°C ~ +85°C

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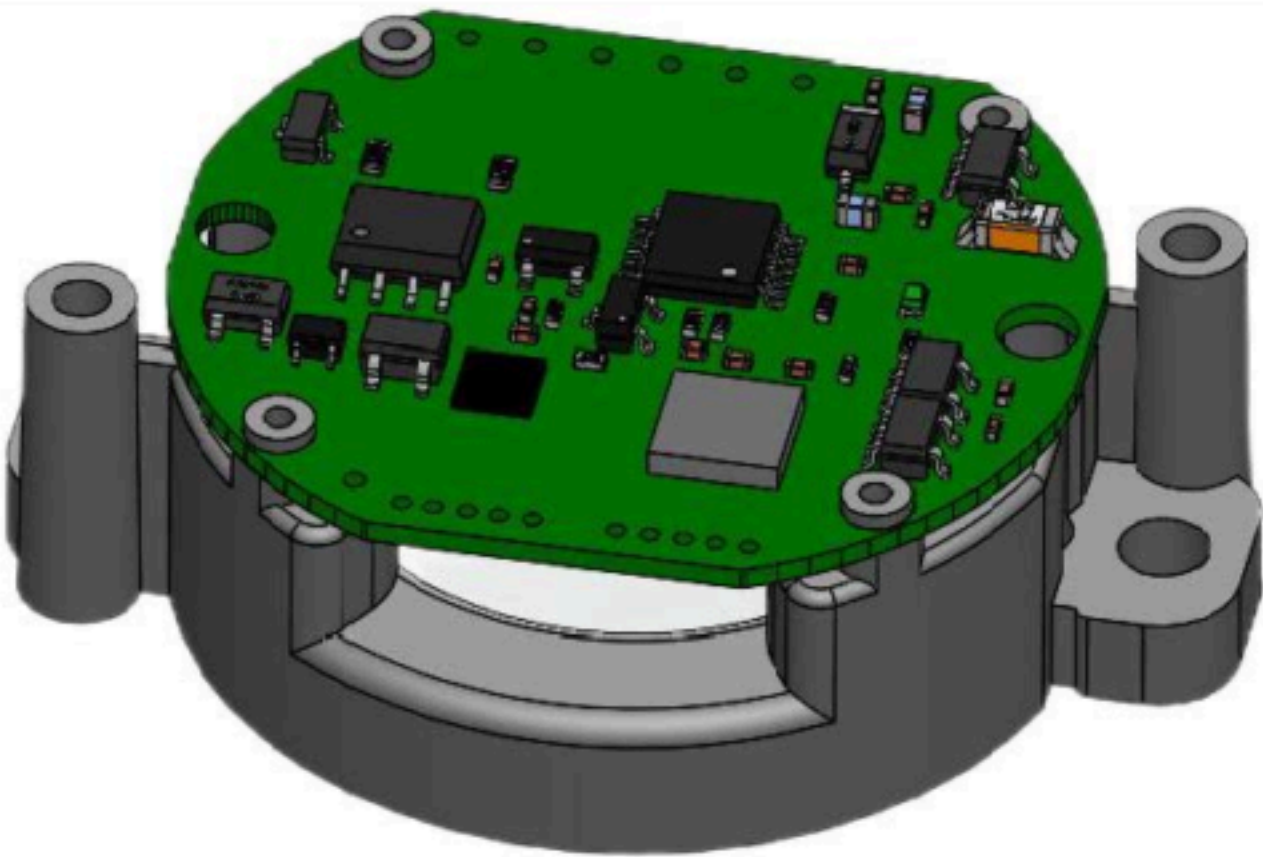
2

Number of Pulses: 50, 100, 120, 125, 150, 180, 200, 250, 256, 300, 360, 400, 500, 512, 600, 720, 800, 900, 1000 , 1024, 1200, 1800, 2000 , 2048, 2400, 2500, 3000 , 3600 p/r (or as per customer requirements).	Output Method: C = Open-collector NPN CP = Open-collector PNP T = Voltage Output F = Complementary Output L = 26LS31 Differential Output K = 7272 Wide Voltage Output	Power Supply Voltage: 5 = 5V 24 = 5-24V H = 5-24V Input, 5V Output L = 5V Input, 5-24V Output	Cable Outlet Method: D = Metal Side Outlet G = Rubber Side Outlet H = Socket Side Outlet F = Rubber Rear Outlet	Cable Length: 0.17 = 0.17 meters 1 = 1 meter 2 = 2 meters
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MAGNETIC · ABSOLUTE · SPLIT

MS Series

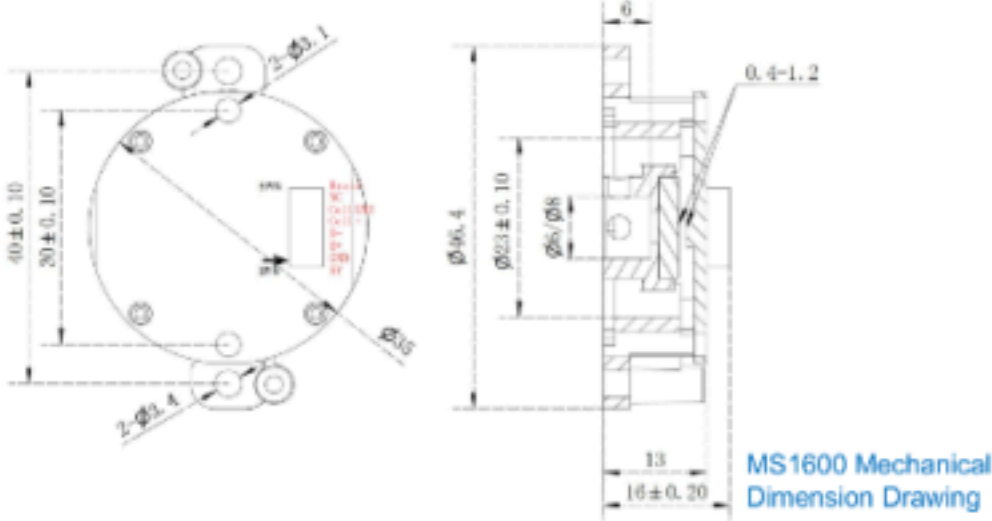
Industrial absolute magnetic encoder · split form · RS485 · 17-bit single turn · 16-bit multiturn



KEY SPECIFICATIONS

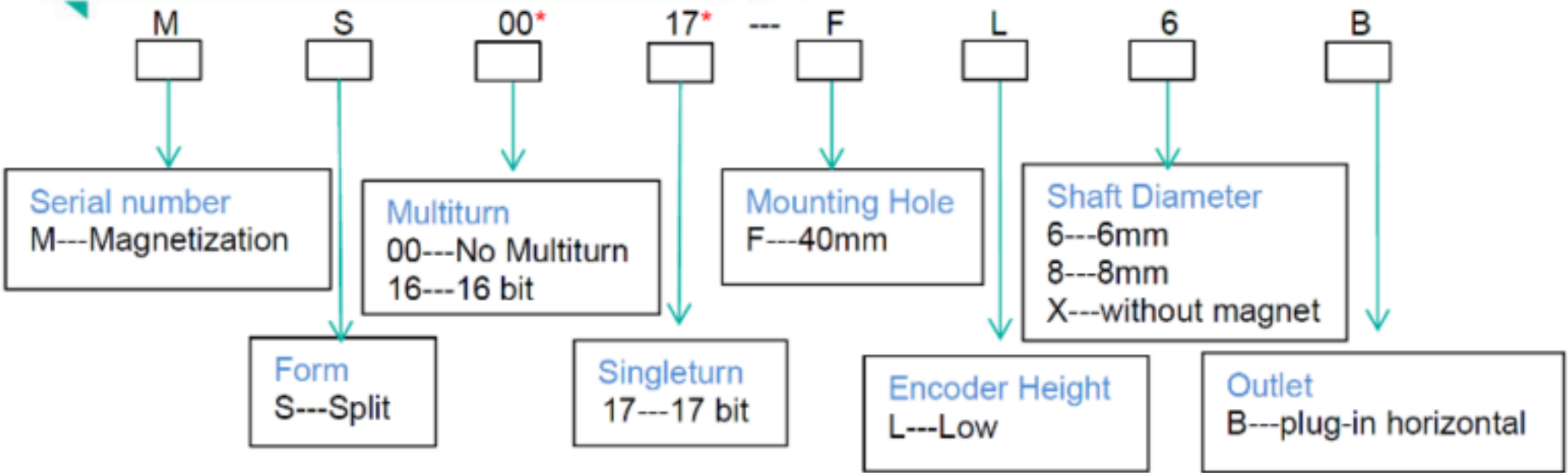
Resolution	0 ~ 131071 (17 bits) / 0 ~ 65535 (16 bits)
Spindle Speed	≤6000 rpm
Communication	RS485
Baud Rate / Comm. Frequency	2.5 MHz / ≤16 kHz
Supply Voltage	DC 4.75V ~ 5.25V
Operating Temperature	-10°C ~ +105°C

EXTERIOR DIMENSION
DRAWING



MS Series Release A0

ORDERING INFORMATION



*Note: Two digits represent the number of digits for single and multiple turns.