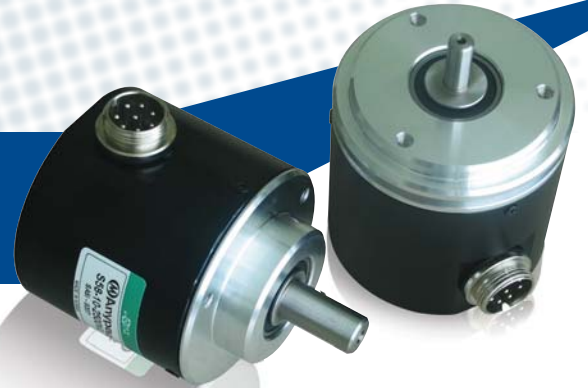


INCREMENTAL
SHAFT TYPE

S58 Series

- Feature : Various resolution, 10~6000P/R
- Wide range of Power supply, Customized Design
- Prompt delivery



Model

INCREMENTAL
SHAFT TYPE

Shaft Size
Ø10, Ø6

Resolution



1) Round Connector 8-Pin socket
2) Cable Output
3) Only for C & D of Connecting type this code will be issued.

*For A&B of connecting type, please place an cable separately

S58 - 10 - 1024 Z 0 - C 1 A 1³⁾

Output Signal
B : A, B
Z : A, B, Z
U : A, \bar{A} , B, \bar{B}
V : A, \bar{A} , B, \bar{B} , Z, Z

Output Form
O : Opn Collector
V : Voltage Output
C : Complemental
T : Totem pole
L : Line Driver

Flange Type
C : Clamping Flange
S : Synchro Flange

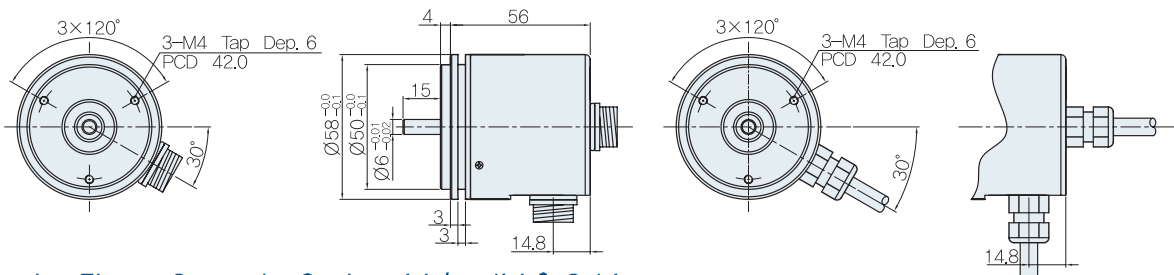
Power Supply
1 : 5~24V
2 : 15V
3 : 24V
4 : 5V

Cable Connecting Type
A : Circular Connector, radial¹⁾
B : Circular Connector, axial¹⁾
C : Cable, radial²⁾
D : Cable, axial²⁾

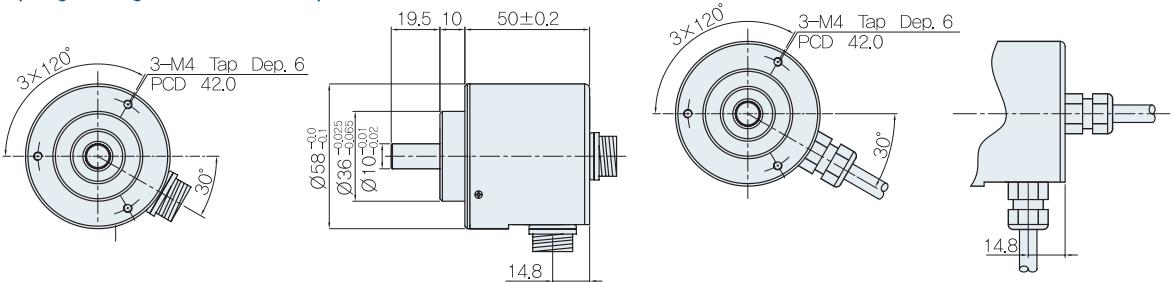
Cable Length
1 : 1.0m
I
A : 10.0m

External Dimension

Synchro Flange Connector 8pole axial / radial & Cable



Clamping Flange Connector 8pole axial / radial & Cable



Output Circuit

Output	Open Collector	Voltage Output	Line Driver	Complemental	Totem Pole
Circuit					

Technical Spec.

• Electrical Spec.

Resolution		10~6000P/R	
Output Type	Output Form	Power Supply	Current Consumption
	Open Collector Voltage Output Complementary Totem Pole	5~24V	70mA
	Line Driver	5V	1500mA
	Line Driver ⁽¹⁾	5~24V	300mA
Maximum Response Frequency		10~2048p/r	150kHz
		2500~6000p/r	300kHz

1) When you need Line Driver type with 5~24V, Please describe



• Rigid Spec.

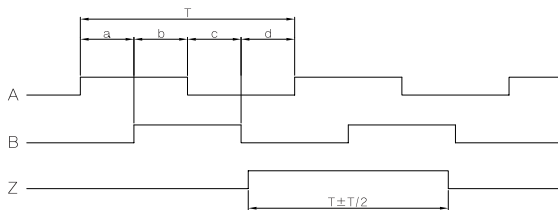
Operating Temp. Range	-10°C ~+70°C (No Freezing)
Preserving Temp	-20°C ~+85°C
Using Temp	35%~85%RH
Preserving Humidity	35%~90%RH
Internal Vibration	5G
Internal Shock	100G
Degree of Protection	IP 65

• Mechanical Spec.

Starting Torque	100 gf-cm
Max.No. of Rotation	6000rpm
Bearing Lifetime	30,000Hr(W/5000rpm)
Allowable Shaft Load	Radial : 22kg Max
	Axial : 1.1kg Max
Cable Type	4P(AWG26) Shield Cable

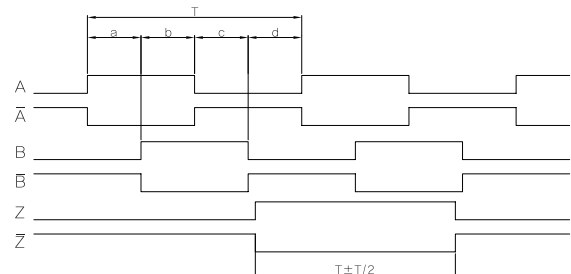
Signal Spec.

Voltage output Open collector
Totem pole Complementary



- $T = 360^\circ / N$ (N : Resolution)
- $a+b, c+d = T/2 \pm T/10$
- A, B Phase has 90° of Difference
- Z Phase is Origin signal

Line Driver



→ CW from shaft end

Cable Spec.

Cable color	Voltage output Open collector Complementary	Line driver
<input type="checkbox"/> Red	DC+5V~+2.4V	DC+5V/+5~+24V
<input type="checkbox"/> Black	GROUND	GROUND
<input type="checkbox"/> Green	A	A
<input type="checkbox"/> Blue	-	\bar{A}
<input type="checkbox"/> White	B	B
<input type="checkbox"/> Pink	-	\bar{B}
<input type="checkbox"/> Yellow	Z	Z
<input type="checkbox"/> Orange	-	\bar{Z}
Shield	CASE SHIELD	

Extended Cable

Length(L)	Ordering Code		
	VL	ZO/ZV/ZC/ZT	BO/BV/BC/BT
1.0m	OS05BAK01xA	OS05BAK02xA	OS05BAK04xA
3.0m	OS05BAK01xB	OS05BAK02xB	OS05BAK04xB
5.0m	OS05BAK01xC	OS05BAK02xC	OS05BAK04xC
7.0m	OS05BAK01xD	OS05BAK02xD	OS05BAK04xD
10.0m	OS05BAK01xE	OS05BAK02xE	OS05BAK04xE

Body : SCN16-8RN
Extended Cable : SCN16-8P

