

PRI 40A

Optic Rotary Incremental Encoder



Technical Specifications	
Resolution	300 to 1250 ppr.
Output channels	A, B, Z or A, \bar{A} , B, \bar{B} , Z, \bar{Z}
Output type	TTL, Linedriver, Push-Pull, High Linedriver
Supply voltage	5 VDC or 5 - 24 VDC
Power consumption (without load)	< 40 mA (24 VDC)
Cable	2,5m (Standard) 5 wire+shield 2,5m (Standard) 8 wire+shield
Max.permissible shaft loading radial	80 N
Max.speed	3500 rpm
Shaft diameter	Ø4 - 6 mm
Shaft material	Stainless steel
Case diameter	Ø40 mm
Case material	Aluminium and painted steel
IP degree	IP 54
Operating temperature	-20° ... +80°C
Storage temperature	-30° ... +90°C

PRI 40SH

Optic Rotary Incremental Encoder



Technical Specifications	
Resolution	300 to 1250 ppr.
Output channels	A, B, Z or A, \bar{A} , B, \bar{B} , Z, \bar{Z}
Output type	TTL, Linedriver, Push-Pull, High Linedriver
Supply voltage	5 VDC or 5 - 24 VDC
Power consumption (without load)	< 40 mA (24 VDC)
Cable	1,5m (Standard) 5 wire+shield (Push-Pull) 1,5m (Standard) 8 wire+shield High Linedriver
Max.permissible shaft loading radial	80 N
Max.speed	3500 rpm
Shaft diameter	Ø6 - 8 mm
Shaft material	Stainless steel
Case diameter	Ø40 mm
Case material	Aluminium and painted steel
IP degree	IP 54
Operating temperature	-20° ... +80°C
Storage temperature	-30° ... +90°C



PRI 50A

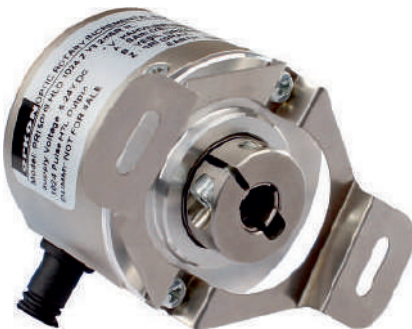
Optic Rotary Incremental Encoder

Technical Specifications

Resolution	100 to 5000 ppr.
Output channels	A, B, Z or A, \bar{A} , B, \bar{B} , Z, \bar{Z}
Output type	TTL, Linedriver, Push-Pull, High Linedriver
Supply voltage	5 VDC or 8 - 24 VDC or 5 - 24 VDC
Power consumption (without load)	< 40 mA (24 VDC)
Cable	2,5m (Standard) 5 wire+shield (Push-Pull) 2,5m (Standard) 8 wire+shield High Linedriver
Max.permissible shaft loading radial	100 N
axial	60 N
Max.speed	3500 rpm
Shaft diameter	Ø6 - 8 - 10 mm
Shaft material	Stainless steel
Case diameter	Ø50 mm
Case material	Aluminium and painted steel
IP degree	IP 54
Operating temperature	-20° ... +80°C
Storage temperature	-30° ... +90°C

PRI 50SH/H

Optic Rotary Incremental Encoder



Technical Specifications

Resolution	100 to 5000 ppr.
Output channels	A, B, Z or A, \bar{A} , B, \bar{B} , Z, \bar{Z}
Output type	TTL, Linedriver, Push-Pull, High Linedriver
Supply voltage	5 VDC or 8 - 24 VDC or 5 - 24 VDC
Power consumption (without load)	< 40 mA (24 VDC)
Cable	2,5m (Standard) 5 wire+shield (Push-Pull) 2,5m (Standard) 8 wire+shield High Linedriver
Max.permissible shaft loading radial	100 N
axial	60 N
Max.speed	3500 rpm
Shaft diameter	Ø6 - 8 - 10 - 12 - 14 - 15 mm
Shaft material	Stainless steel
Case diameter	Ø50 mm
Case material	Aluminium and painted steel
IP degree	IP 54
Operating temperature	-20° ... +80°C
Storage temperature	-30° ... +90°C

PRI 58A/B

Optic Rotary Incremental Encoder



Technical Specifications	
Resolution	100 to 5000 ppr.
Output channels	A, B, Z or A, \bar{A} , B, \bar{B} , Z, \bar{Z}
Output type	TTL, Linedriver, Push-Pull, High Linedriver
Supply voltage	5 VDC or 8 - 24 VDC or 5 - 24 VDC
Power consumption (without load)	< 40 mA (24 VDC)
Cable	2,5m (Standard) 5 wire+shield (Push-Pull) 2,5m (Standard) 8 wire+shield High Linedriver
Max.permissible shaft loading radial	60 N
axial	40 N
Max.speed	3500 rpm
Shaft diameter	$\varnothing 6 - 8 - 10$ mm
Shaft material	Stainless steel
Case diameter	$\varnothing 58$ mm
Case material	Aluminium and painted steel
IP degree	IP 54
Operating temperature	-20° ... +80°C
Storage temperature	-30° ... +90°C

PRI 58SH/H

Optic Rotary Incremental Encoder



Technical Specifications	
Resolution	100 to 5000 ppr.
Output channels	A, B, Z or A, \bar{A} , B, \bar{B} , Z, \bar{Z}
Output type	TTL, Linedriver, Push-Pull, High Linedriver
Supply voltage	5 VDC or 8 - 24 VDC or 5 - 24 VDC
Power consumption (without load)	< 40 mA (24 VDC)
Cable	2,5m (Standard) 5 wire+shield (Push-Pull) 2,5m (Standard) 8 wire+shield High Linedriver
Max.permissible shaft loading radial	60 N
axial	40 N
Max.speed	3500 rpm
Shaft diameter	$\varnothing 6 - 8 - 10 - 12 - 14 - 15$ mm
Shaft material	Stainless steel
Case diameter	$\varnothing 58$ mm
Case material	Aluminium and painted steel
IP degree	IP 54
Operating temperature	-20° ... +80°C
Storage temperature	-30° ... +90°C

PRI 80

Optic Rotary Incremental Encoder



Technical Specifications	
Resolution	1024 ppr.
Output channels	A, B, Z or A, \bar{A} , B, \bar{B} , Z, \bar{Z}
Output type	TTL, Linedriver, Push-Pull, High Linedriver
Supply voltage	5 VDC or 8 - 24 VDC or 5 - 24 VDC
Power consumption (without load)	< 40 mA (24 VDC)
Cable	2,5m (Standard) 5 wire+shield (Push-Pull) 2,5m (Standard) 8 wire+shield High Linedriver
Max.permissible shaft loading radial	180 N
axial	80 N
Max.speed	3500 rpm
Shaft diameter	Ø16 - 20 - 22 - 24 - 25 - 28 - 30 - 40 - 42 mm
Shaft material	Aluminium
Case diameter	Ø80 mm
Case material	Aluminium and painted steel
IP degree	IP 50
Operating temperature	-20° ... +80°C
Storage temperature	-30° ... +90°C

PRI 100

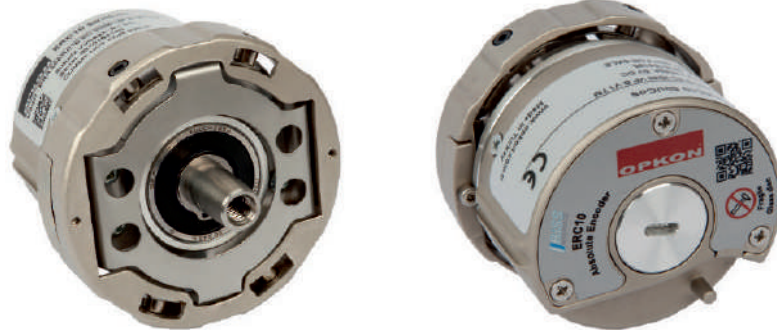
Optic Rotary Incremental Encoder



Technical Specifications	
Resolution	1024 ppr.
Output channels	A, B, Z or A, \bar{A} , B, \bar{B} , Z, \bar{Z}
Output type	TTL, Linedriver, Push-Pull, High Linedriver
Supply voltage	5 VDC or 8 - 24 VDC or 5 - 24 VDC
Power consumption (without load)	< 40 mA (24 VDC)
Cable	2,5m (Standard) 5 wire+shield (Push-Pull) 2,5m (Standard) 8 wire+shield High Linedriver
Max.permissible shaft loading radial	180 N
axial	80 N
Max.speed	3500 rpm
Shaft diameter	Ø25 - 28 - 30 - 35 - 38 - 40 - 42 mm
Shaft material	Aluminium
Case diameter	Ø100 mm
Case material	Aluminium and painted steel
IP degree IP	IP 50
Operating temperature	-20° ... +80°C
Storage temperature	-30° ... +90°C

ERC 10 BISS/SSI

BISS/SSI Interface Encoder
SINE Servo Motor Feedback Absolute Encoder



BISS/SSI - SINE Technical Specifications

Interface	BISS/SSI (up to 10 mhz)
Clock input	Via full duplex I.C
Clock frequency	20 kHz up to 10 mhz
Data output driver	RS485 transceiver type
Data output code	Gray or binary
Supply voltage	5 - 20 VDC \pm 5% BISS/SSI -SINE
Current consumption	130 mA Max. BISS/SSI, (without load) SINE
Resolution	13 bit (up to 21 for BISS, 2048 ppr. SINE
Absolute channels	C, C inv. D, D inv. / 1 ppr. (SINE 1 Vpp)
Output circuit	BISS/SSI interface, SINE Analogue
Pulse frequency	< 200 kHz BISS/SSI -SINE
Working principal	Optical BISS/SSI -SINE
Accuracy	<2048 / \pm 40" BISS/SSI -SINE
Incremental channels	A, A inv. B, B inv. (sine 1 Vpp) 2048 ppr.
Flange	Special motor feedback flange BISS/SSI -SINE
Case diameter	\varnothing 56 mm BISS/SSI -SINE
Shaft diameter	Cone 1/10 BISS/SSI -SINE
Shaft axial/radial loading	30 N max. BISS/SSI -SINE
Starting torque	0, 17 Ncm min. BISS/SSI -SINE
Electrical connections	18 pin pcb type connector or DB15 connector with 20 cm cable(standard) BISS/SSI -SINE
Weight	340 gr. (Without cable) BISS/SSI -SINE
Shock	100 g. 5 ms BISS/SSI -SINE
Vibrations	10 g. 5-2000 Hz BISS/SSI -SINE
Protection	IP 47 BISS/SSI -SINE
Operating temperature range	-20° ... +85°C BISS/SSI -SINE
Storage temperature range	-20° ... +85°C BISS/SSI -SINE



Linear Potentiometers Long Stroke Serie (30 - 1950 mm)

RESISTIVE
POTENTIOMETRIC



Linear Potentiometers Short Stroke - Compact Serie (10 - 400 mm)

RESISTIVE
POTENTIOMETRIC



Linear Potentiometers Internal Voltage - Current Conditioner Serie (Output 4-20mA, 0-20mA, 0-10V)

ANALOG V/mA



Non-Contact Magnetostrictive Positions Sensors (100 - 3000 mm)

Sensopulse
MAGNETOSTRICTIVE

ANALOG V/mA



Non-Contact Magnetostrictive Positions Sensors Field BUS Output (100 - 3000 mm)

Sensopulse
MAGNETOSTRICTIVE

CANopen

CANbus

Modbus

PROFIBUS

EtherCAT

BISS
INTERFACE

SSI



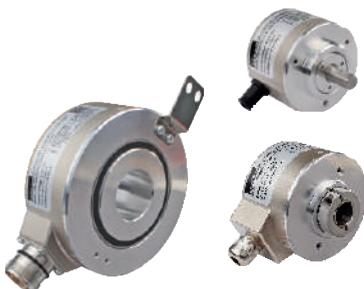
Magnetic Linear Encoders (15 - 50.000 mm)

INCREMENTAL



Optical / Magnetic Rotary Encoders (2 - 5000 ppr.)

INCREMENTAL

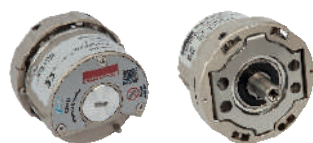


Optical Rotary Absolute Encoders (for synchronous gearless motors) (2048 ppr.)

Sine
Cosine

BISS
INTERFACE

SSI



Draw Wire Potentiometers (5 - 10 kOhm or 4 - 20 mA, 0 - 10V output)

Draw Wire Encoders (100 - 8250 mm)

Push-Pull, TTL Linedriver
or HLD Linedriver

RESISTIVE
POTENTIOMETRIC

ANALOG V/mA

INCREMENTAL



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