

## Incremental sensor rotative Model ISR 220



### Features

- 360°
- robust design
- high life cycle

### Applications

- drive technology
- construction machines
- servo systems

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## Electrical Characteristics

Effective electrical angle	360°, 40 pulses per rotation
Max. wiper current	10 mA in failure mode
Insulation resistance	10 GΩ bei 500 VDC
Dielectric strength	1000 VAC

## Mechanical Characteristics

Life time	10.000.000 cycles	
Mechanical angle	no end mechanical end stop	(2)
Seal condition	IP 65	(1)
Torque	0,3 Ncm	(1)
Bearing	Solid bearing	(1)

## Environmental Characteristics

Operating temperature	- 40°C ... + 105 °C
Climatic class	25/085/56
Vibration	10G (59Hz—10 kHz)
Shock	50G (11 ms half sine)

## Material

Body	brass nickel plated housing	
Shaft	Stainless steel	
Connections	Solder pins or cable	(1)

Specifications subject to change without notice

(1) Other values on request

(2) Other cables on request

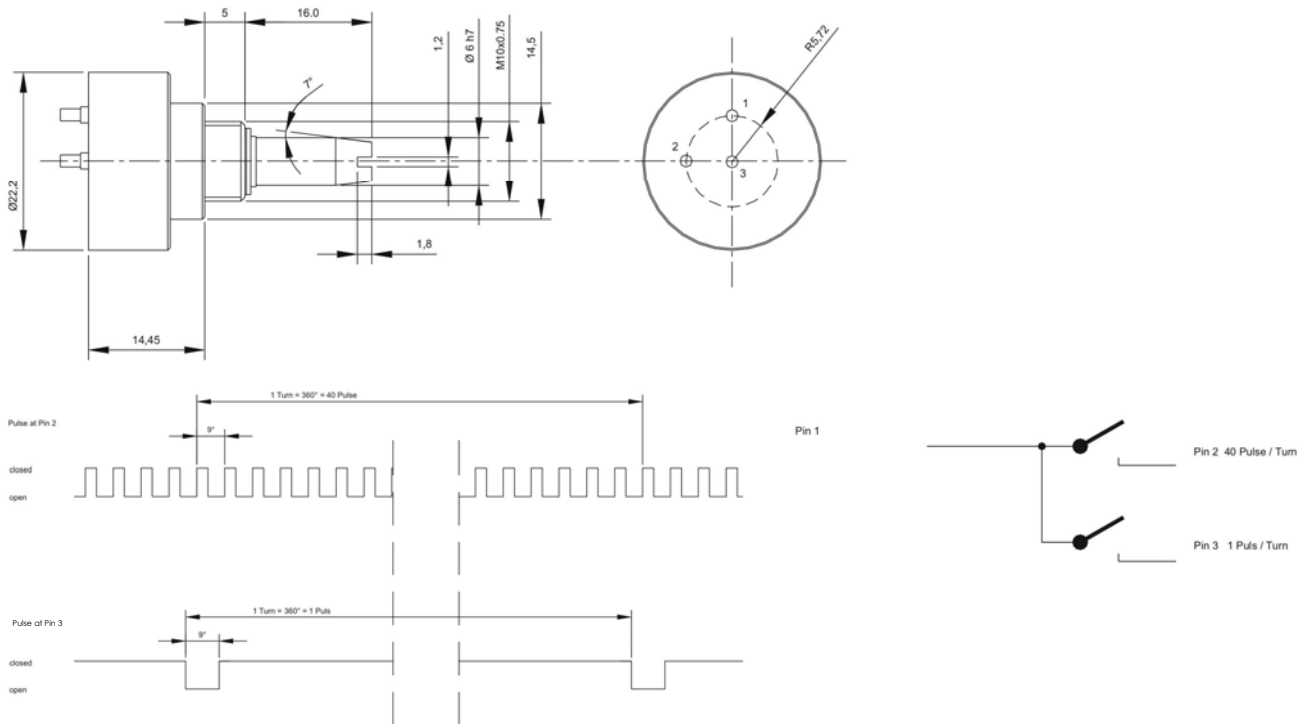
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## Graphs



## How to order

I S R

**Series**  
Incremental-Sensor-Rotary

2 2 0

**Type**  
Diameter housing:  
22.2 mm

N S

### Mounting

N - Thread M10 axis 6mm  
with slot and "chamfer"  
axis length starting from threaded part 15.7mm  
M - Thread M10 axis 6mm Achse  
with slot  
axis length starting from threaded part 13.0mm  
U - 3/8 Zoll thread

### Flange:

S - Servo flange  $\varnothing$  14.4mm Höhe 4.3mm  
Z - Special flange

A

### Axis diameter

A - 6.00mm

G L

### Axis storage

GL - Sliding contact bearing  
KG - Ball bearing

L i

### Possible connections

Li - cable connection  
PL - solder pins  
others on request

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