

ISC series

incremental encoder



Features:

- Strong shaft load capacity and long working life
- Modular design, high temperature resistance, high reliability
- High resolution, up to 10,000 lines.
- Output incremental pulse signal characteristics are optional
- Compact and robust.
- Solid rotating shaft diameter 6mm, 10mm,
- Air rotating bearing inner diameter 30mm(20, 25, 28) optional

Usage:

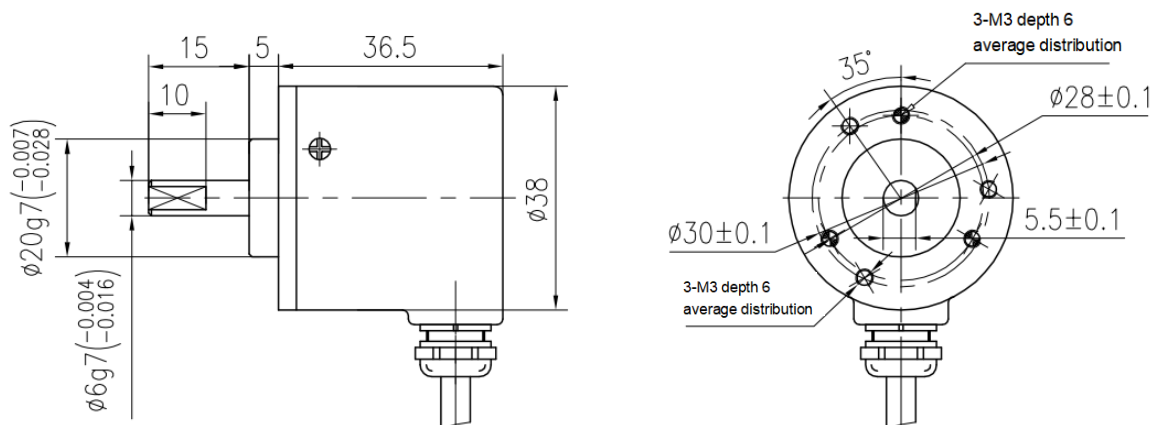
- Ships, lifting platforms
- Factory automation,
- Test equipment
- Motor speed control, robot arm joint

Details:

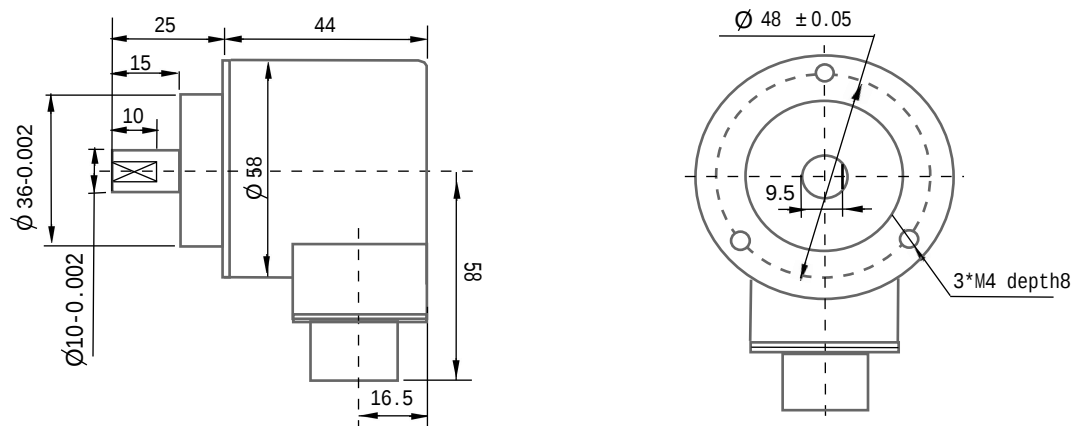
- Anodized aluminum for the outer shell
- Axle bearing flexible double bearing
- Sensing element photoelectric glass scale grid
- Mechanical connection fixed hole, coupling
- Electrical connection straight out shielded cable or aviation plug

Dimensions:

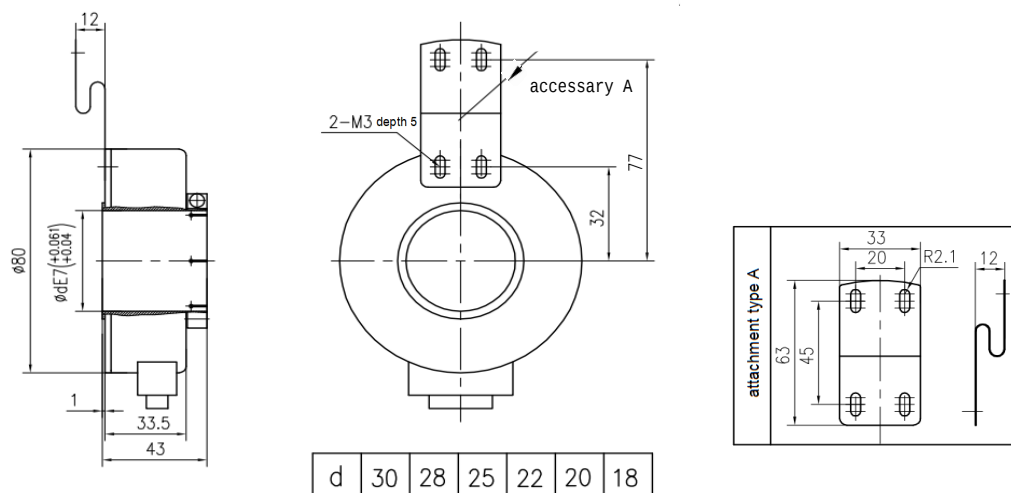
ISC3806 Solid rotation axis:



ISC5810 Solid axis of rotation:



IHC8030 Through hole rotary bearing:



Parameters:

Parameter	unit	details
working power	V	DC 5V / 7-24 V(±10%)
max response frequency	HZ	100 K (Limited by max RPM)
max rotation speed	rpm	3000
max consumption current		120 mA (no load)
max rise-decline time		200 nS (long line drive)
max rise-decline time		1uS (when gas output)
working temperature	°C	-20 - 85
storage temperature	°C	-20 - 85
Mechanical Angle		360 ° continuous
Number of selectable pulses per turn		360、600、1000、1024、1250、2000、2048、2500、5000、10000
protection level		IP 54
start torque	N.M	<0.006
working life	h	≥ 3 万 (+25°C, 2000rpm)
anti-shock		980m/s ² , 6ms, Two times each direction XYZ
anti-vibration		50m/s ² , 10-200Hz, Two hours each direction XYZ

接线说明:

The actual wiring is subject to the encoder label

signal	+5V	0V	A+	A-	B+	B-	Z+	Z-	Shielding
Wire color	red	black	green	brown	white	grey	yellow	orange	N.C
Socket No.(7 poles)	1	4	3	-	5	-	2	-	6
Socket No.(9 poles)	1	4	5	7	3	6	2	8	9

选型订购说明:

