

WER series

Draw wire position sensor



Feature:

- Flexible installation and feedback length and tilt Angle signals
- Compact size linearity up to 0.5% F.S
- Resolution 0.1mm, life of more than 500,000 times
- Protection level: Standard IP67
- Maximum range up to 12.5M, signal output CANopen.

Details:

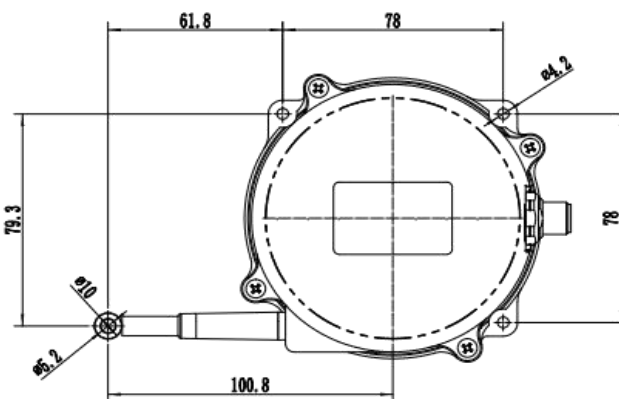
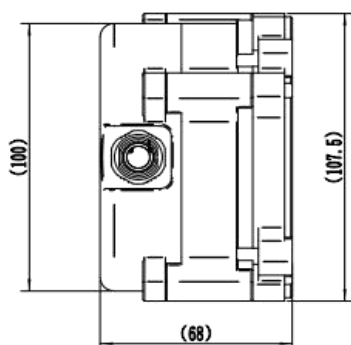
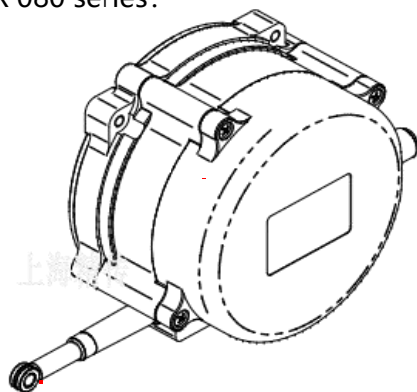
- Outer shell nylon
- Steel wire AISI304 diameter 0.8mm
- Axle bearing flexible double bearing
- Resistance element precision wire-wound potentiometer, MEMS inertial measurement unit
- Mechanical connection fixed copper ring, inner diameter 8mm, outer diameter 15mm, height 5mm
- Electrical connection 5-pin M12 round aviation plug with high electromagnetic compatibility

Usage:

- Elevator, elevator, lifting platform
- Factory automation, forklift
- Crane, remote control, aerial work platform

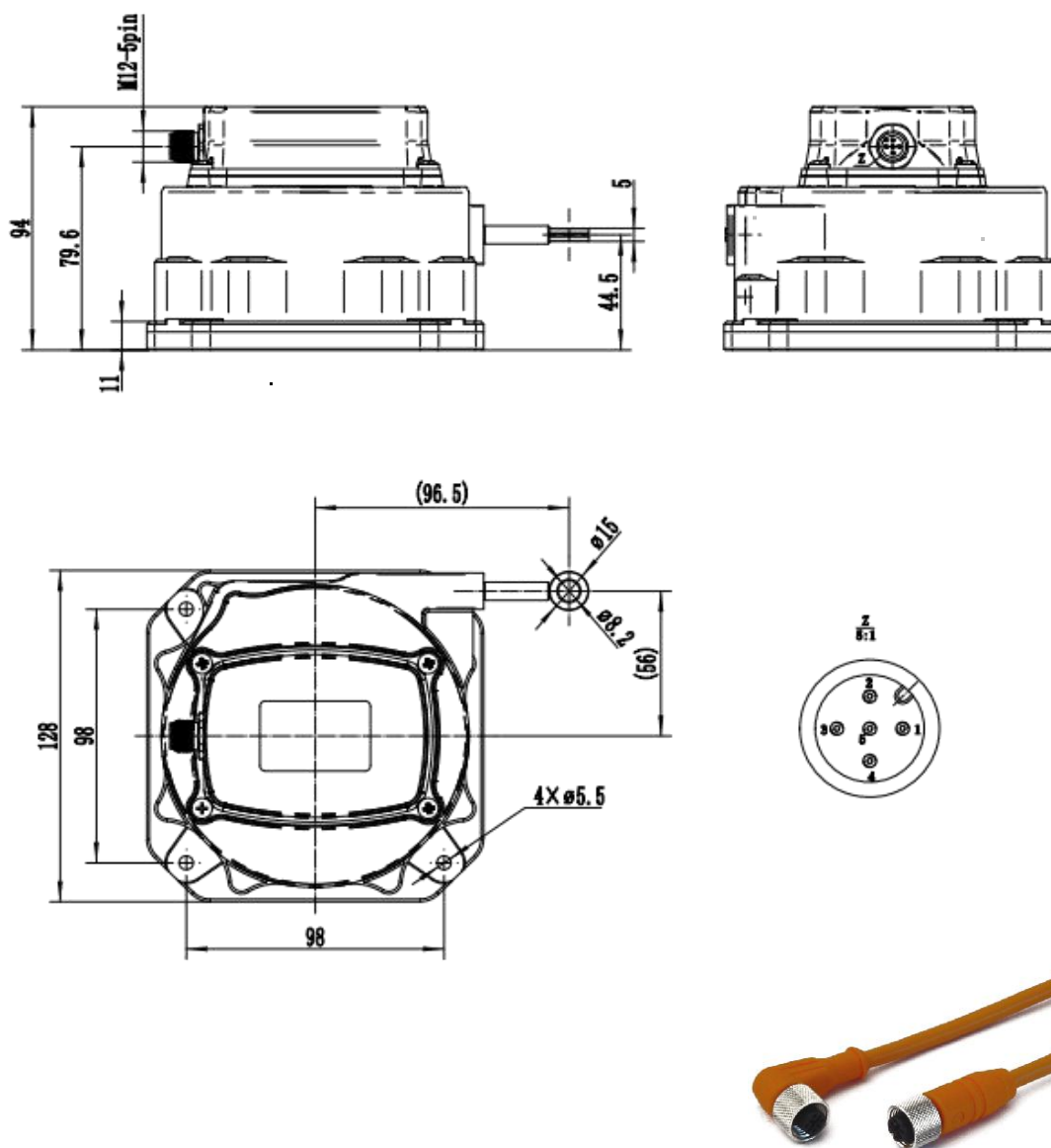
Dimensions:

WER 080 series:



Dimensions:

WER 128 series:

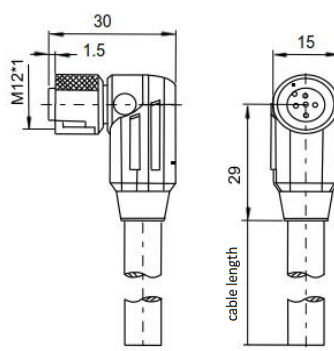
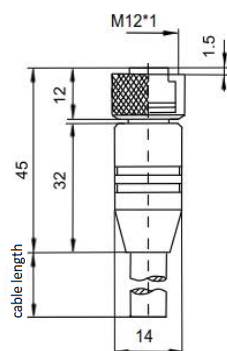


accessory size:

round aviation plug :

K4P*M-S-M12 (shielding)

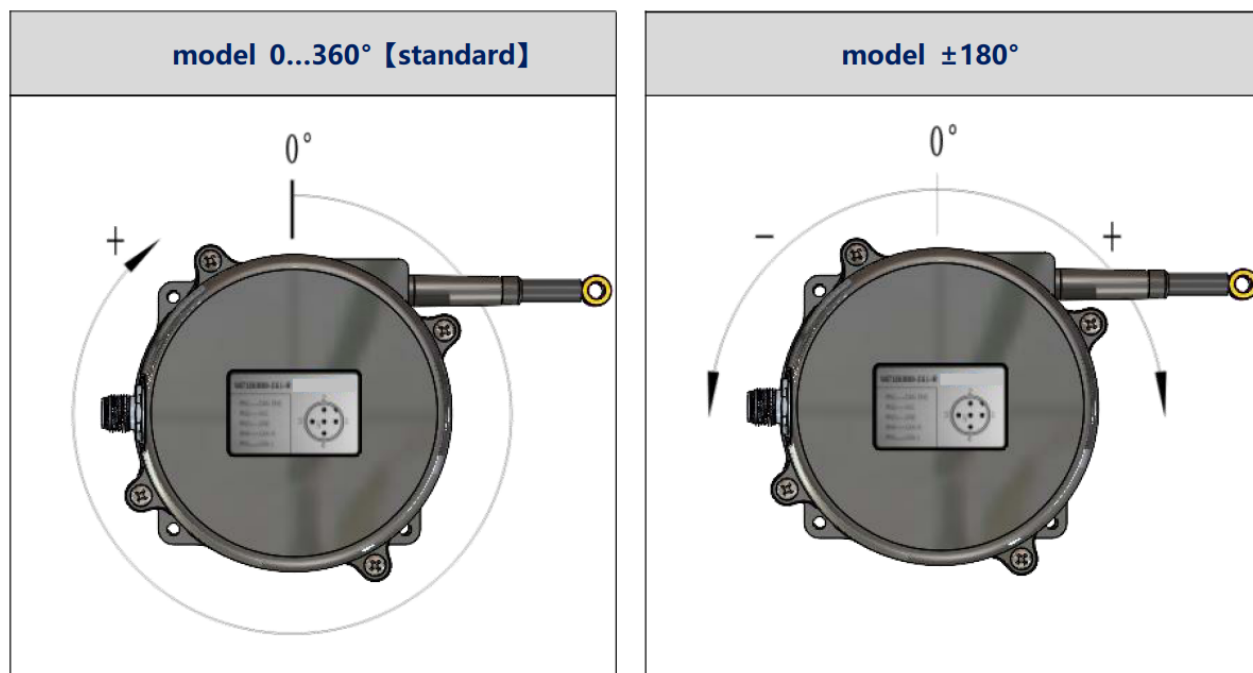
K4P*M-SW-M12 (shielding)



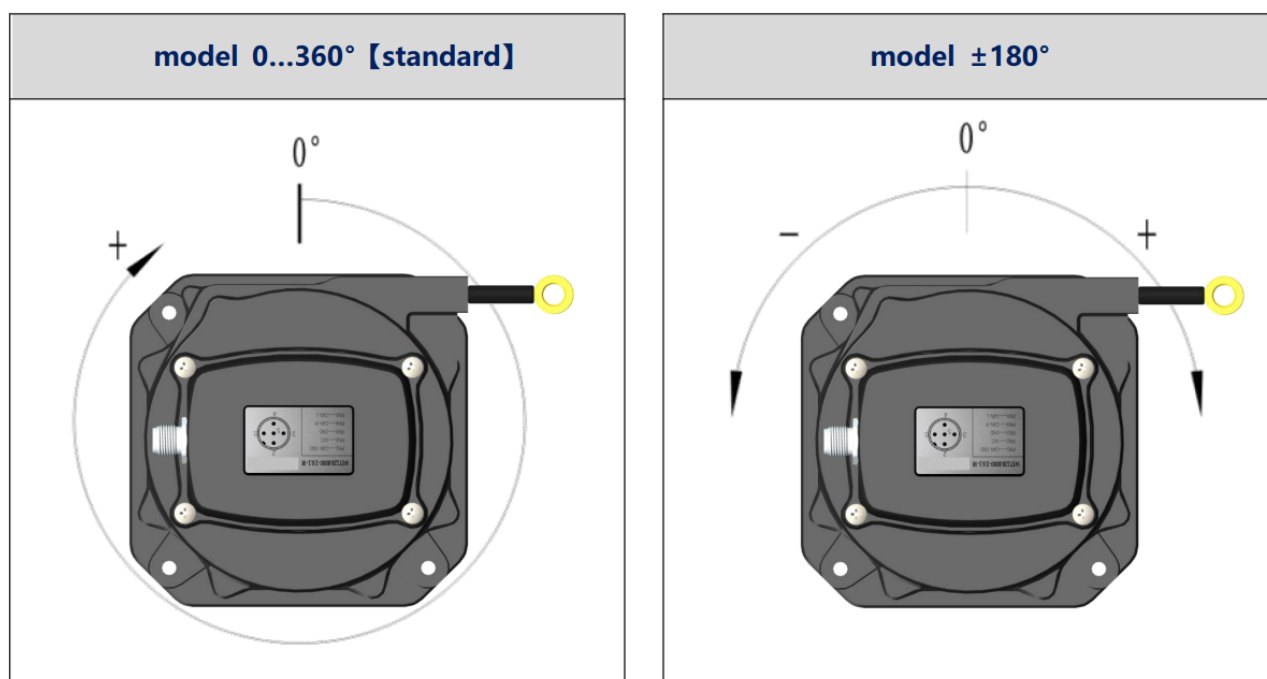
tilt sensor set:

- available in ± 180 degree and 360 degree modes
- Rotation direction can be set (CW/CCW)
- User signal bias setting and reset

WER 080 series:



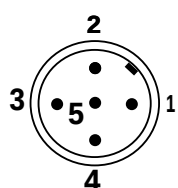
WER 128 series:



Parameters:

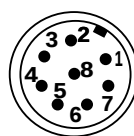
Parameter	unit	detail
Series		WER 080 WER 128
Output signal		CANopen (4-20mA need customized)
work voltage	V DC	9-30V (MAX.30V)
work temperature	°C	-40 ...+85
storage temperature	°C	-20...+100
reciprocating speed	M/S	0.5
antivibration frequency	Hz	5...500
amplitude	mm	Max0.75
acceleration	g	aMax=10
anti-shock time	ms	11
force	g	50
work life	time	> 0.5 x 10 ⁶ up to 500 thousands
protection class		IP 65
linearity	±	≤0.5% repeatability (±0.2%.F.S) ≤±0.3° (tilt angle 25°C)
resolutions	mm	≤ 0.1mm (for draw wire position sensor) 0.1° (tilt measure)
electro magnetic compatibility		acc. to EN 61326-1, EN 61326-3-1
current consumption	mA	<100
initializing time	S	<1.5

wirings:



PIN1---CAN-GND
 PIN2---VCC
 PIN3---GND
 PIN4---CAN-H
 PIN5---CAN-L

CAN signal: male connector M12, 5-pin



PIN1---GND1 PIN2---GND2
 PIN3---SIG1 PIN4---VCC1
 PIN5--- NC PIN6---VCC2
 PIN7---SIG2 PIN8--- NC

current signal: male connector M12, 8-pin (full redundant)

Instructions:

