

Warnings

- Do not open the sensor housing.
- Do not pull or loop the measuring wire around unprotected body parts.
- Do not pull out the measuring wire beyond the measuring range listed.
- Do not let the measuring wire snap.

> Risk of injury

- Do not damage the measuring wire.
- Do not oil or grease the measuring wire.
- Do not kink the measuring wire.
- Do not pull the measuring wire diagonally.
- Do not let the measuring wire drag around objects.
- Attach the measuring wire to the measured object while the wire is retracted.
- > Damage to or destruction of the sensor

Notes on Product Marking

The product meets the requirements of CE and UKCA. All specifications described in the operating instructions must be observed.

Proper Environment

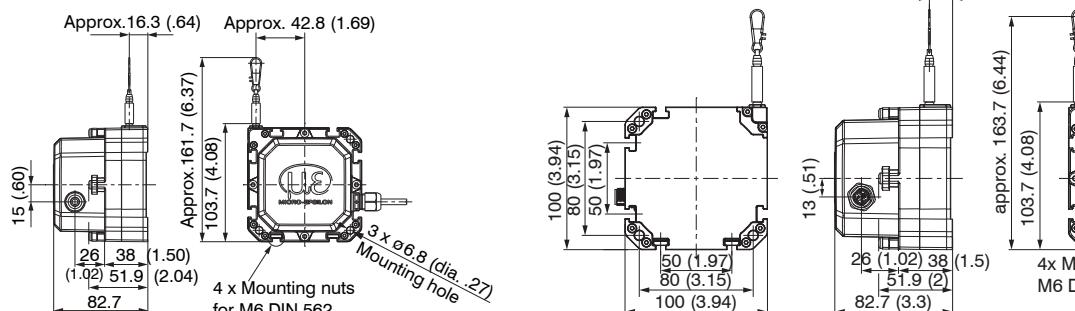
- Protection class: IP67
IP69K¹
- Temperature range
 - Operation: -40 ... +85 °C (-40 ... +185 °F)
 - Storage temperature: -40 ... +85 °C (-40 ... +185 °F)
- Humidity: 5 ... 95 % RH (non-condensing)
- Ambient pressure: Atmospheric pressure

1) Dependent on encoder

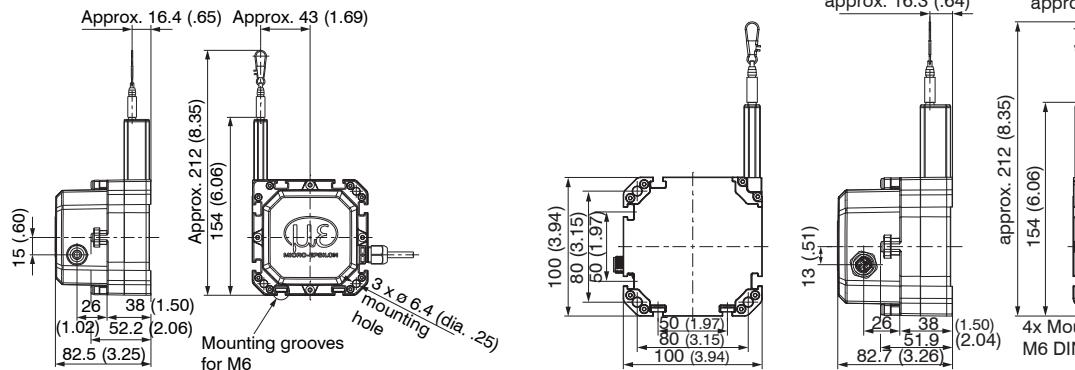
Unpacking/Included in Delivery

- 1 Sensor
- 4 Slot nuts
- 1 Installation instructions

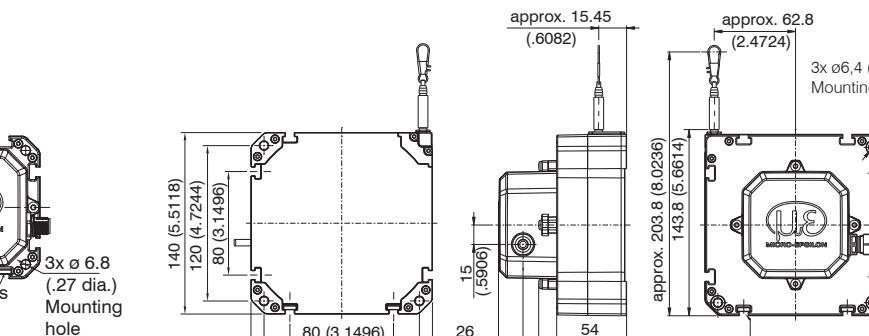
Dimensional Drawings



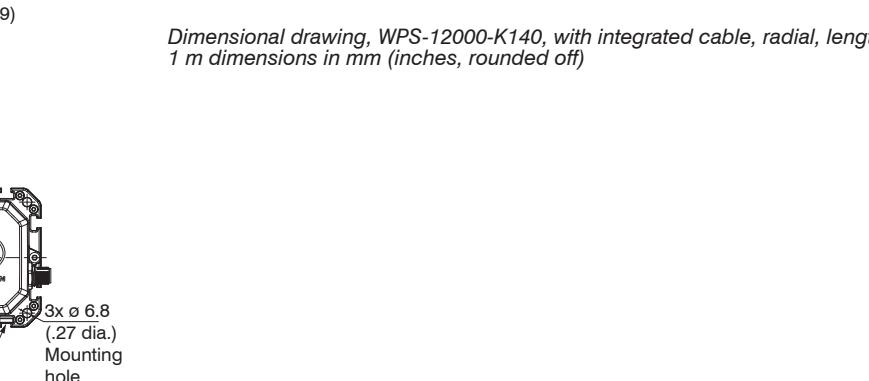
Dimensional drawing WPS-1500-K100, WPS-2500-K100 with integrated cable, radial, length 1 m, dimensions in mm (inches, rounded off)



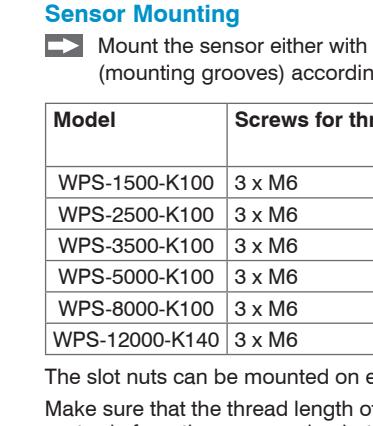
Dimensional drawing WPS-3500-K100, WPS-5000-K100, WPS-8000-K100 with integrated cable, radial, length 1 m, dimensions in mm (inches, rounded off)



Dimensional drawing WPS-3500-K100, WPS-5000-K100 with 5-pole M12x1 connector, dimensions in mm (inches, rounded off)



Dimensional drawing, WPS-12000-K140, with integrated cable, radial, length 1 m dimensions in mm (inches, rounded off)



Dimensional drawing, WPS-3500-K100, WPS-5000-K100, WPS-8000-K100 with 5-pole M12x1 connector, dimensions in mm (inches, rounded off)

Sensor Mounting



Mount the sensor either with M6 screws (through-hole) or with slot nuts (mounting grooves) according to the specifications in the following table:

Model

Model	Screws for through-hole	Slot nuts for mounting grooves
WPS-1500-K100	3 x M6	M6 3.2 mm
WPS-2500-K100	3 x M6	M6 3.2 mm
WPS-3500-K100	3 x M6	M6 3.2 mm
WPS-5000-K100	3 x M6	M6 3.2 mm
WPS-8000-K100	3 x M6	M6 3.2 mm
WPS-12000-K140	3 x M6	M6 3.2 mm

The slot nuts can be mounted on each side and positioned as desired.

Make sure that the thread length of the screws, which you use for the slot nuts, protrude from the sensor edge between 5 mm and 7 mm into the mounting groove.

> Damage of the sensor housing due to the screw being too long

The sensor does not have to be oriented in a special way.



Select the installation position in such a way that damage to or contamination of the measuring wire is avoided.



If possible, prefer an installation position in which the measuring wire exits downward. This prevents liquids from entering the measuring wire outlet.



Do not let the measuring wire snap! There is no liability for material defects in case of damage due to snapping.



MICRO-EPSILON

Setup Guide

wireSENSOR Series WPS

WPS-XX-X-K100

WPS-12000-K140



