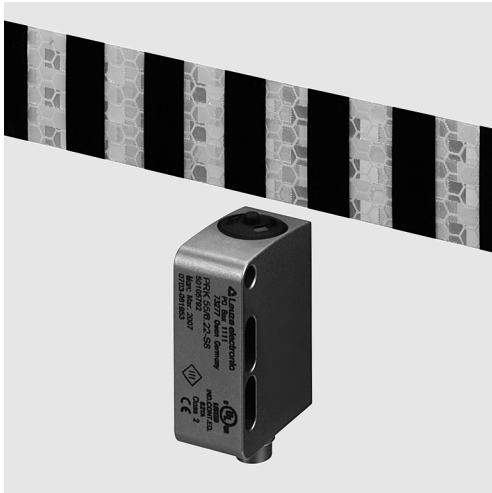


IKB 25x20m

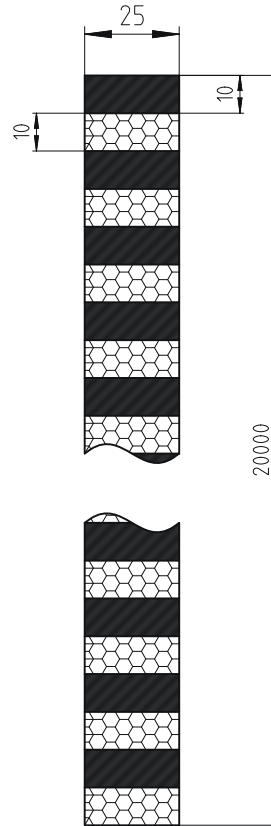
Incremental Positioning System

Dimensioned drawing

en 02-2014/08 50115335



10 ... 200mm



- Contactless, incremental positioning system
- Reliable readout by way of polarized retro-reflective sensor
- Fast commissioning
- Robust and wear-resistant, self-adhesive incremental strip
- Economical system for simple positioning applications

Mounting and setting

Apply the incremental strip onto a dry surface free of grease. To ensure optimum functioning, the light beam of the retro-reflective photoelectric sensor should be directed as vertical as possible onto the incremental strip. Angular deviations of $\pm 10^\circ$ are not critical. For maximum functional safety, teaching of the sensor should be carried out to maximum function reserve (factory setting prior to delivery), whereby the teach button is actuated with covered reflector for 2 ... 7s.

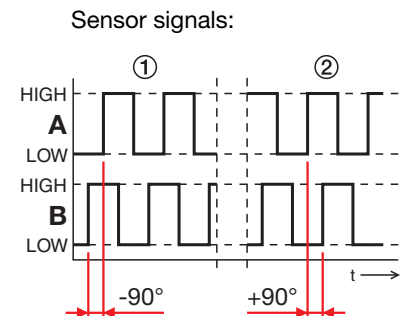
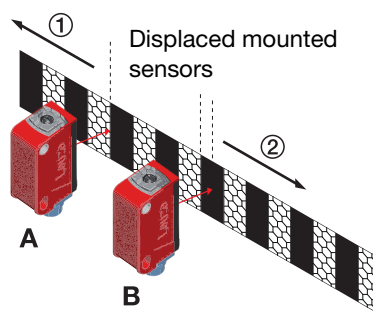
Moreover, direction of movement can be detected using two retro-reflective photoelectric sensors mounted with a displacement of 90° to the phase position of the output signals.

We reserve the right to make changes • DS_Accessory/IKB25X20M_en_50115335.fm



Accessories:

(available separately)



Specifications

Strip data

Strip length	20m
Resolution	approx. 10mm
Marking accuracy	± 1 mm/m
Strip material	self-adhesive reflective tape with high adhesive strength (based on reflective tape no. 4, part no. 50041876)
Speed	relative, between strip and sensor(s): < 6m/s

Optical data

Specified sensors	Leuze retro-reflective photoelectric sensors with autocollimation lens, types: PRK 3B/6.22... or PRK 55/6.22...
Operating range	10 ... 200mm

Environmental data

Ambient temp. (operation/storage)	-30°C ... +70°C / -30°C ... +70°C
Protection class	IP 67

Order guide

Description

Incremental strip, length 20 m

Type

IKB 25x20m

Part No.

50115208

Specified sensors for utilization with the incremental strip

Series 3B with plastic housing

With M8 connector, 4-pin	PRK 3B/6.22-S8	50104700
With 200mm cable and M12 connector, 4-pin	PRK 3B/6.22, 200-S12	50105762

Series 55 with stainless steel housing

With M8 connector, 4-pin	PRK 55/6.22-S8	50105792
With 200mm cable and M12 connector, 4-pin	PRK 55/6.22, 200-S12	50105793

Remarks

Operate in accordance with intended use!

- ↪ This product is not a safety sensor and is not intended as personnel protection.
- ↪ The product may only be put into operation by competent persons.
- ↪ Only use the product in accordance with the intended use.

● Technical data for sensors:

See data sheets, available to download from www.leuze.com