

WS/WE160-F132

PRODUCT PORTFOLIO





Ordering information

Туре	Part no.
WS/WE160-F132	6022751

Other models and accessories → www.sick.com/

Illustration may differ



Detailed technical data

Features

Sensor/ detection principle	Through-beam photoelectric sensor
Dimensions (W x H x D)	11 mm x 23 mm x 38 mm
Housing design (light emission)	Rectangular
Sensing range max.	≤ 15 m
Sensing range	0 m 11 m
Type of light	Visible red light
Light source	LED
Wave length	680 nm

Mechanics/electronics

Supply voltage	10 V DC 30 V DC
Ripple	± 10 %
Power consumption	≤ 25 mA ¹⁾
Switching output	PNP
Switching mode	Light/dark switching
Switching mode selector	Selectable via light/dark rotary switch
Response time	\leq 0.5 ms $^{2)}$
Connection type	Cable, 2 m ³⁾
Cable material	PVC
Conductor cross-section	0.2 mm ²
Housing material	Plastic, PBT
Optics material	Plastic, PMMA
Enclosure rating	IP69K
Ambient operating temperature	-25 °C +55 °C
Ambient storage temperature	-40 °C +70 °C

¹⁾ Without load.

²⁾ Signal transit time with resistive load.

³⁾ Do not bend below 0 °C.

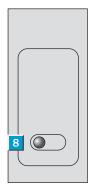
UL File No.

NRNT2.E128350 & NRNT8.E128350

Classifications

ECI@ss 5.0	27270901
ECI@ss 5.1.4	27270901
ECI@ss 6.0	27270901
ECI@ss 6.2	27270901
ECI@ss 7.0	27270901
ECI@ss 8.0	27270901
ECI@ss 8.1	27270901
ECI@ss 9.0	27270901
ETIM 5.0	EC002716
ETIM 6.0	EC002716
UNSPSC 16.0901	39121528

Adjustments possible



8 Red LED: sender active

Connection diagram

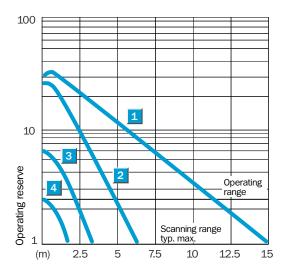


¹⁾ Without load.

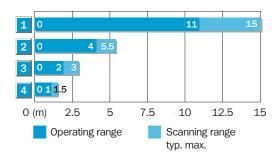
²⁾ Signal transit time with resistive load.

³⁾ Do not bend below 0 °C.

Characteristic curve

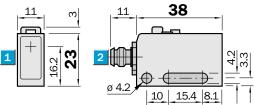


Sensing range diagram





Dimensional drawing (Dimensions in mm (inch))



- ① Center of optical axis
- ② Connection

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We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

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For us, that is "Sensor Intelligence."

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