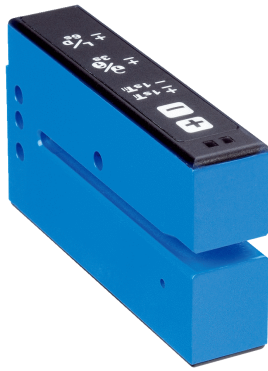


UFN3-70B413

UF

FORK SENSORS

SICK
Sensor Intelligence.



Ordering information

Type	Part no.
UFN3-70B413	6049678

Other models and accessories → www.sick.com/UF



Detailed technical data

Features

Functional principle	Ultrasonic detection principle
Dimensions (W x H x D)	18 mm x 47.5 mm x 92.5 mm
Housing design (light emission)	Fork shaped
Fork width	3 mm
Fork depth	69 mm
Minimum detectable object (MDO)	Gap between Labels / Size of labels: 2 mm ¹⁾
Label detection	✓
Adjustment	Plus/minus button (Teach-in, sensitivity, light/dark switching)
Teach-in mode	2-point teach-in Teach-in dynamic

¹⁾ Depends on the label thickness.

Mechanics/electronics

Supply voltage	10 V DC ... 30 V DC ¹⁾
Ripple	< 10 % ²⁾
Current consumption	40 mA ³⁾
Switching frequency	1.5 kHz ⁴⁾
Response time	250 µs ⁵⁾
Switching output	PNP, NPN
Switching output (voltage)	PNP: HIGH = $V_S - \leq 2 \text{ V}$ / LOW approx. 0 V NPN: HIGH = approx. V_S / LOW $\leq 2 \text{ V}$

¹⁾ Limit values, reverse-polarity protected, operation in short-circuit protected network: max. 8 A.

²⁾ May not exceed or fall below U_V tolerances.

³⁾ Without load.

⁴⁾ With light/dark ratio 1:1, typical, depending on material and speed.

⁵⁾ Signal transit time with resistive load.

⁶⁾ Output current minimal 0.03 mA.

⁷⁾ Reference voltage DC 50 V.