Throughbeam ultrasonic sensor

Dimensioned drawing





- Indicator diodes Α
- В Sensitivity adjustment
- Centre of ultrasonic transducer С

Electrical connection



SU 18-S12	
20-30VDC+	-1
NC	-2
NC	_5

LSU 18



0....650mm

10 - 30 V

·**›**)))

- Colour and transmission independent detection of objects, even in humid and foggy environment
- Optimised for air transport systems
- Metal housing •
- Insensitive to dust •
- Detection of narrow gaps



CE		
	4	
C 60947	IEC 60947	IP 65/////

Accessories:

(available separately)

- Mounting systems
- Cable with M12 connector (K-D ...)

▲ Leuze electronic

LSU 18

| 1





0 Object L Gap

L GapA Distance transmitter/receiver

Diagrams

Remarks

- Approved purpose: This product may only be used by qualified personnel and must only be used for the approved purpose. This sensor is not a safety sensor and is not to be used for the protection of persons.
- The response behaviour is dependent on the container shape.
- Not suitable for use in wet environments. Avoid cleaning with cleaning agents.

Specifications

Ultrasonic specifications

Operating range ¹⁾ Adjustment range Ultrasonic frequency Typ. opening angle

Timing Switching frequency Delay before start-up

Electrical data

Operating voltage U_B Residual ripple Bias current Switching output Function characteristics Output current Switch positions

Indicators Green LED Yellow LED

Mechanical data

Housing Transducer Weight Connection type Fitting position

Environmental data

Ambient temp. (operation/storage) Protective circuit ²⁾ VDE safety class Protection class Standards applied 0 ... 650mm 0 ... 650mm in steps 300kHz 12°

max. 100Hz 100ms

 $10\ldots 30V$ DC (incl. \pm 10 % residual ripple) \pm 10% of U_B receiver \leq 15mA, transmitter \leq 55mA 1 PNP and 1 NPN transistor object detected max. 150mA positions 1 \ldots 5, see Tables

ready object detected

metal see remarks 70g each M12 connector, 5-pin any

0°C ... +70°C/-40°C ... +85°C 1, 2, 3 III IP 65 IEC 60947-5-2

For the complete temperature range, measured object ≥ 20x20mm
1=short-circuit and overload protection, 2=polarity reversal protection (not for analogue inputs), 3=wire break and inductive protection

Order guide

With M12 connector Transmitter Receiver

Designation LSU 18/24-S12

LSSU 18-S12

LSEU 18/24-S12

Part No.

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