



TECHNICAL DATA

Power supply: for U variant: 24V AC ($\pm 20\%$); 15...36V DC ($\pm 10\%$)
for I variant: 15...36V DC ($\pm 10\%$) depending on
working resistance, stabilized, max ripple 0.5 Vss

Power consumption: < 1W at 24V DC; < 2VA at 24V AC

Sensor: light sensor (see beginning of this chapter)

with 6 switchable measuring ranges
0...500 Lux / 1 kLux / 2 kLux / 5 kLux / 20 kLux / 60 kLux
(other individual ranges optional, e. g. 100 kLux)

Output: 4...20mA or 0-10V
(linearised, active, 2- or 3-wire connection)

Measuring error: < 5% of final value

Ambient temperature: $-30...+70^\circ\text{C}$

Electrical connection: 0.14 - 1.5 mm², via terminal screws on circuit board

Enclosure: plastic, material polyamide, 30% glass-globe-reinforced,
with quick-locking screws (slotted / Phillips head combination),
colour traffic white (similar to RAL 9016),
enclosure cover for **AHKF** is transparent!

Dimensions: 72 x 64 x 43.3 mm (Tyr 1)

Cable gland: M16 x 1.5, including strain relief, exchangeable,
max. inner diameter 10.4 mm

Installation: on-wall

Protection class: III (according to EN 60730)

Protection type: IP 65 (according to EN 60529)

Standards: CE conformity, electromagnetic compatibility according to
EN 61326, EMC directive 2004 / 108 / EC

(selectable)	1	2	3	4
0...500 Lux	OFF	OFF	OFF	–
0... 1 kLux	ON	OFF	OFF	–
0... 2 kLux	OFF	ON	OFF	–
0... 5 kLux	ON	ON	OFF	–
0... 20 kLux	OFF	OFF	ON	–
0... 60 kLux	ON	OFF	ON	–

Connecting diagram

LXS1-V

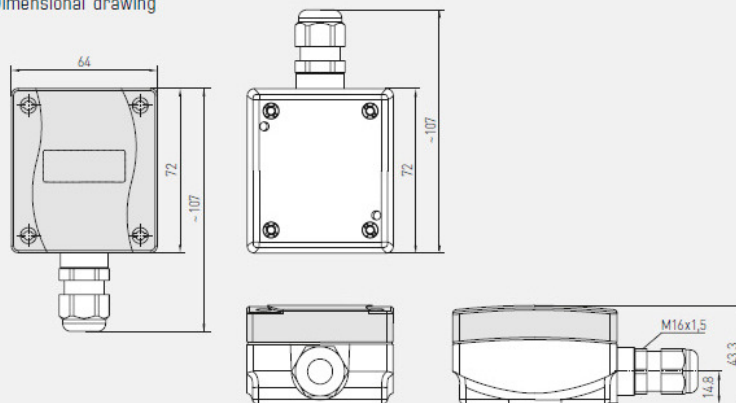
- 1 UB+ supply voltage 24V AC/DC
- 2 Output light intensity 0-10V (linearised)
- 3 UB- GND

Connecting diagram

LXS1-A

- 1 UB+ supply voltage 24V AC/DC
- 2 Output light intensity 4...20mA (linearised)

Dimensional drawing



Schematic diagram

