

Product Information

LID-TxA-S

Addressable RKA Light Detector

The RKA light detector LID-TxA-S interprets optical signals of a shortcut direction indicator (RKA) (e. g. RKA 1.1 of Horstmann, www.horstmannmbh.com) which is connected to it by means of a plastic fiber optic cable. The LID-TxA-S differentiates between:

- red flashing source
- green flashing source (a short red reference flash precedes the green flash)
- source does not post

The sensor transduces the detected state into an output frequency and transmits it to the LANCIER monitoring system by means of the Tx-bus. The detector's LEDs indicate the transmitted state at the same time.



Technical Data

Supply voltage	20 - 120 V DC
Nominal current	4.2 mA typical
Quiescent current (at 60V supply voltage)	150 μ A typical
Time window (Adresse)	1
Cycle time / Adresse	2 s
Transmission time	1.5 s
Deviation of transmission time	\leq 100 ms
Reset time	\leq 200 ms
Mechanical interface via plastic fiber optic cable	external diameter 2.2 mm internal diameter of core 1.0 mm max. cable length 20 m, corresponding to an attenuation of \leq 3 dB bending radius must be $>$ 50 mm
Operating temperature	-10 to +60 $^{\circ}$ C
Storing temperature	-20 to +80 $^{\circ}$ C
Dimension (L x W x H)	75 x 22.5 x 105 mm
Weight	approx. 100 g

Ordering Data

Light detector LID-TxA-S	Order-no. 072203.000
Accessory Top hat rail for 5 snap-on housings, length 125 mm	Order-no. 041444.000