

CES-A-LNA... read head

- ▶ Cube-shaped design 42 x 25 mm
- ▶ Hard-wired cable
- ▶ In combination with CES-A-A evaluation units... and CES-A-BBA actuators

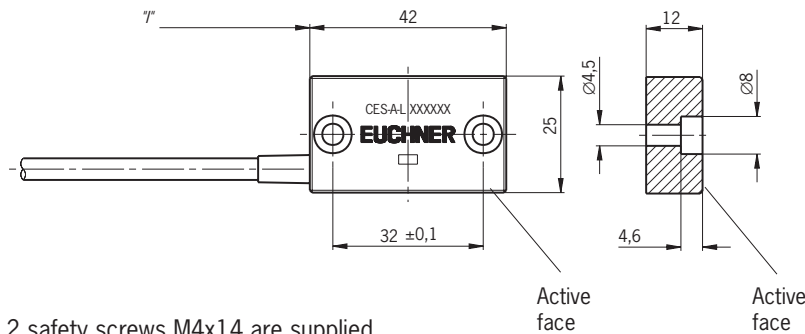


SIBE
Schweiz



II 3 G, EEx n A II T5 (zone 2, gases)
II 3 D, EEx n A II T5, 70°C
(zone 22, dusts)

Dimension drawing type CES-A-LNA...



2 safety screws M4x14 are supplied

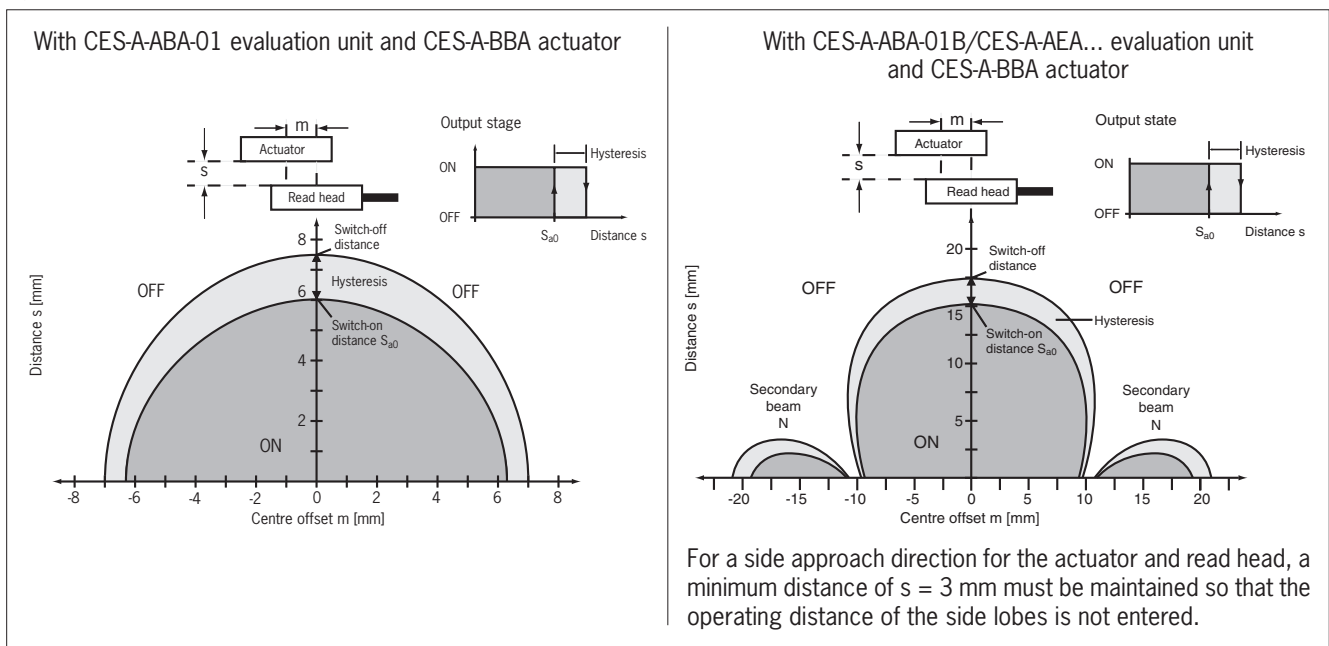
Notes on installation

- ▶ The connection cable is only allowed to be extended using EUCHNER plug connectors if adequate consideration is given to EMC during assembly (see page 55). Intermediate terminals are not allowed to be used.
- ▶ Actuator and read head must be fitted so that:
 - ▶ The active faces (front faces) are at the switch-on distance $0.8 \times S_{a0}$ or closer (see technical data) with the safety guard closed.
 - ▶ They are not used as a mechanical stop.
 - ▶ They are positively mounted on the safety guard, e.g. using the safety screws included.

Safety precautions

- ▶ If the read head and/or actuator is/are installed flush, the switching distance changes as a function of the installation depth and the safety guard material.

Typical operating distance



Technical data

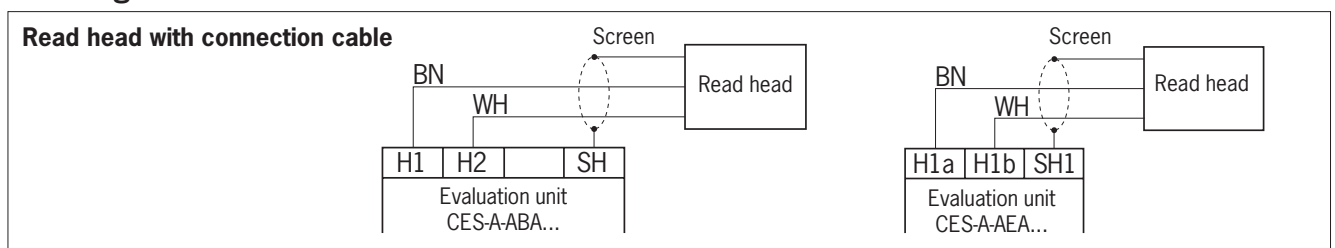
Parameters	Value			Unit
	min.	typ.	max.	
Housing material	Fortron, reinforced thermoplastic, fully encapsulated			
Dimensions	42 x 25 x 12			mm
Weight (incl. 10 m cable)	0.3			kg
Ambient temperature	-25	-	+70	°C
Degree of protection	IP67			
Installation position	Any			
Method of operation	Inductive			
Dynamic data transfer to the evaluation unit	2			kbps
Power supply	Via evaluation unit			
Dwell time ¹⁾	0.5	-	-	s
Operating distance for center offset $m = 0$ ²⁾ (CES-A-ABA-01 evaluation unit with CES-A-BBA)				
- Safe switch-off distance S_{ar}	-	-	23	mm
Cable length $l = 0$ to 25 m				
- Switch-on distance S_{a0}	5	6	-	
- Switching hysteresis	0.5	1.5	-	
Cable length $l \geq 25$ to 50 m				
- Switch-on distance S_{a0}	4	4.8	-	mm
- Switching hysteresis	0.4	1.2	-	
Operating distance for center offset $m = 0$ ³⁾ (CES-A-ABA-01B/CES-A-AEA... evaluation unit with CES-A-BBA)				
- Safe switch-off distance S_{ar}	-	-	32	mm
Cable length $l = 0$ to 25 m				
- Switch-on distance S_{a0}	10	15	-	
- Switching hysteresis	0.5	2	-	
Cable length $l \geq 25$ to 50 m				
- Switch-on distance S_{a0}	8	12	-	mm
- Switching hysteresis	0.4	1.6	-	
Connection cable	Hard-wired encapsulated connection cable, with crimped ferrules PVC, \varnothing 4.6 mm PUR, \varnothing 4.8 mm, suitable for drag chain			
Cable length	See ordering table		50	m

1) The dwell time is the time that the actuator must be inside or outside the operating distance.

2) These values apply for flush installation of the read head and the actuator in aluminum.

3) These values apply for surface installation of the read head and the actuator.

Pin assignment



Ordering table

Series	Cable type Cable length „l“ (meters)	V = PVC P = PUR	Article	Order No.
CES-A-LNA...	-05	V	CES-A-LNA-05V	071 845
	-10	V	CES-A-LNA-10V	071 846
	-15	V	CES-A-LNA-15V	071 847
	-25	V	CES-A-LNA-25V	071 975
	-50	V	CES-A-LNA-50V	077 795
	-05	P	CES-A-LNA-05P	077 806
	-10	P	CES-A-LNA-10P	077 807
	-15	P	CES-A-LNA-15P	084 682