



Read head CES-A-LMN-SC

- ▶ Cylindrical design M12
- ▶ M8 plug connector (snap-action and screw terminals)



For possible combinations see page 24

Warning:

The operating distance may vary depending on the background material and installation situation.

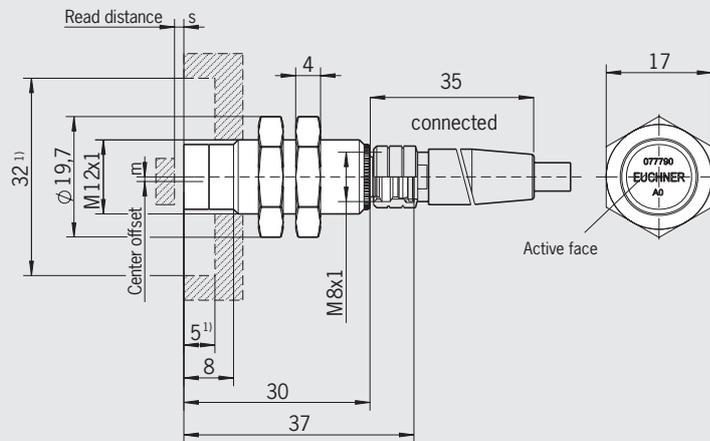
Important:

Actuators must be ordered separately! See page 48.

Read head CES-A-LMN-SC

M8 plug, 3-pin

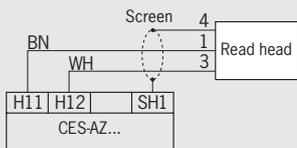
Dimension drawing



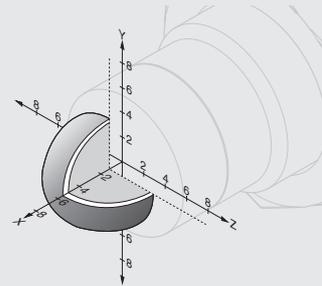
1) Clear zone (area of the active face without metal housing)

For connection cable see page 65

Pin assignment



Typical operating distance



A minimum distance of $s = 1.2$ mm must be maintained.

Ordering table

Series	Connection type	Type	Order no. / item
CES-A-LMN-SC	SC M8 plug connector	Housing M12	077 790 CES-A-LMN-SC
CES-A-LMN-SC-EX	SC M8 plug connector	ATEX ¹⁾	098 157 ¹⁾ CES-A-LMN-SC-EX

1) EX II 3G Ex nL IIC T70°C (zone 2 gases)

Technical data read head CES-A-LMN-SC

Parameter	Value			Unit
	min.	typ.	max.	
Housing material	Nickel-plated CuZn housing sleeve Plastic PBT GF20 cap			
Dimensions	M12 x 1, length 38			mm
Weight	0.2			kg
Ambient temperature				°C
- CES-A-LMN-SC	-20	-	+70	
- CES-A-LMN-SC-EX	-20	-	+60	
Ambient pressure (only of active face in installed condition)	-	-	10	bar
Degree of protection	IP67			
Installation position	Any			
Method of operation	Inductive			
Power supply	Via evaluation unit			
In combination with actuator CES-A-BMB				
Operating distance for center offset $m = 0$ ¹⁾				mm
- Assured switch-off distance S_{of}	-	-	10	
Cable length $l = 0$ to 15 m				
- Switch-on distance	-	5	-	
- Assured switch-on distance S_{ao}	3.5	-	-	
- Switching hysteresis	0.1	0.3	-	
Connection	M8 plug connector (snap-action and screw terminals), 3-pin			
Cable length	-	-	15	m

1) These values apply for surface installation of the read head in steel.