

Technical data read head CEM-A-LH10K-S3/CEM-A-LH10R-S3



Parameter	Value			Unit
	min.	typ.	max.	
General				
Housing material	Aluminum			
Material, read head CES	Plastic (PPS)			
Solenoid material	Galvanized steel			
Weight	Approx. 0.9			kg
Ambient temperature	-25	-	+50	°C
Degree of protection according to IEC 60529	IP67			
Installation position	Any			
Solenoid				
Adhesive force in axial direction	1000			N
Adhesive force due to remanence	Approx. 40 ± 25 %			N
- CEM-A-LE10K-S2 ¹⁾	Approx. 0.7			
- CEM-A-LE10R-S2				
Solenoid center offset max.	± 2.5			mm
Operating voltage U_b plug S1	24 +10%/-15%			V DC
Solenoid voltage U_{ON} plug S1	24 +10%/-15%			
Reverse polarity protection	Yes			
Free-wheeling diode	Yes			
Current consumption CEM-A-LH10K-S3	225 (without external LED)			mA
- at connection S1.1 (U_{ON})				
Current consumption CEM-A-LH10R-S3	12			mA
- at connection S1.2 (U_b)	225			
at $U_{ON} = 0$ V at $U_{ON} = 24$ V				
- at connection S1.1 (U_{ON})	15			
Power consumption	Approx. 5.4			W
- CEM-A-LE05K-S2	Approx. 5.8			
- CEM-A-LE05R-S2				
Solenoid operating voltage connection	M8 plug connector (male socket), 4-pin			
External LED indicator connection	M8 plug connector (female socket), 4-pin			
Read head				
Operating distance for center offset $m = 0$				mm
- Assured switch-off distance S_{ar}	-	-	20	
Cable length $l = 0$ to 25 m				
- Switch-on distance	-	2	-	
- Assured switch-on distance S_{ao}	0	-	-	
- Switching hysteresis	-	0.7	-	
Connection evaluation unit plug S3	M8 plug connector (male socket), 3-pin			
Connection cable	-	-	25	m
Connection external LED indicator plug S2				
Current consumption	-	-	500	mA

1) The remanence disappears immediately when the door is opened and over time in de-energized solenoids.