

EL-F-MS

Electromechanical strike lock, with fire certificate and built-in microswitch



Model number:	EL-F-MS
Old code:	SZ99 NF Top 305

General Description

The EL-F-MS is a compact electric strike, reversible flush-mounted electric strike designed for secure door access control, featuring adjustable jaw flexibility and compatibility with various AC/DC voltage ranges for reliable operation in diverse environments.

Technical Specifications

Installation	Flush
Reversible	Yes
Height	74 mm
Width	20,50 mm
Depth	25,50 mm
Jaw Depth	4.70 mm
Flex Jaw Adjustment	+2 - 1 mm
Tested Cycles	200,000

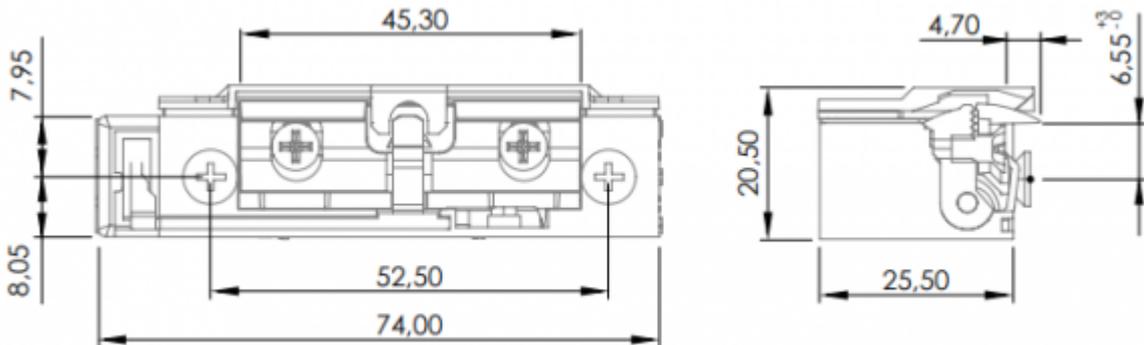
Temperature Working Range	-25°C to 50°C
Breaking Resistance	3850 N

Electromechanical data

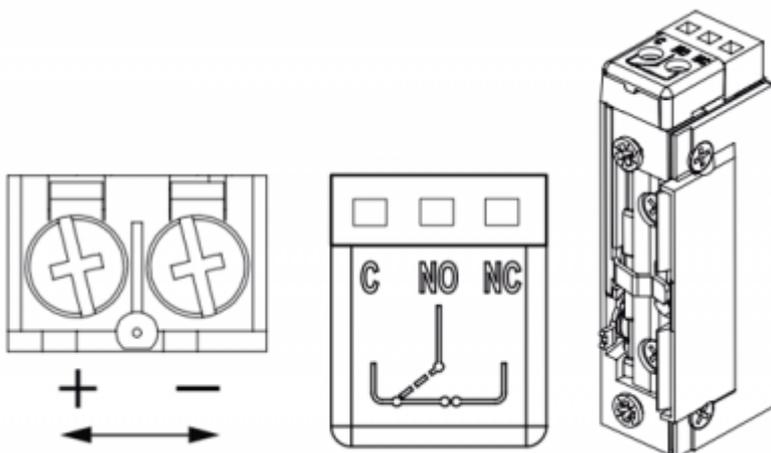
Voltage Range (V)	Functioning	Coil Resistance (Ω)	Electric Duty Cycle (%ED)	AC Current Consumption (mA)	DC Current Consumption (mA)	Maximum Preload Open AC	Maximum Preload Open DC
24 (524) DC	Fail Secure	230	100% ED 24 VDC	-	110	-	-

Coil tolerance: $\pm 5\%$

Dimensions



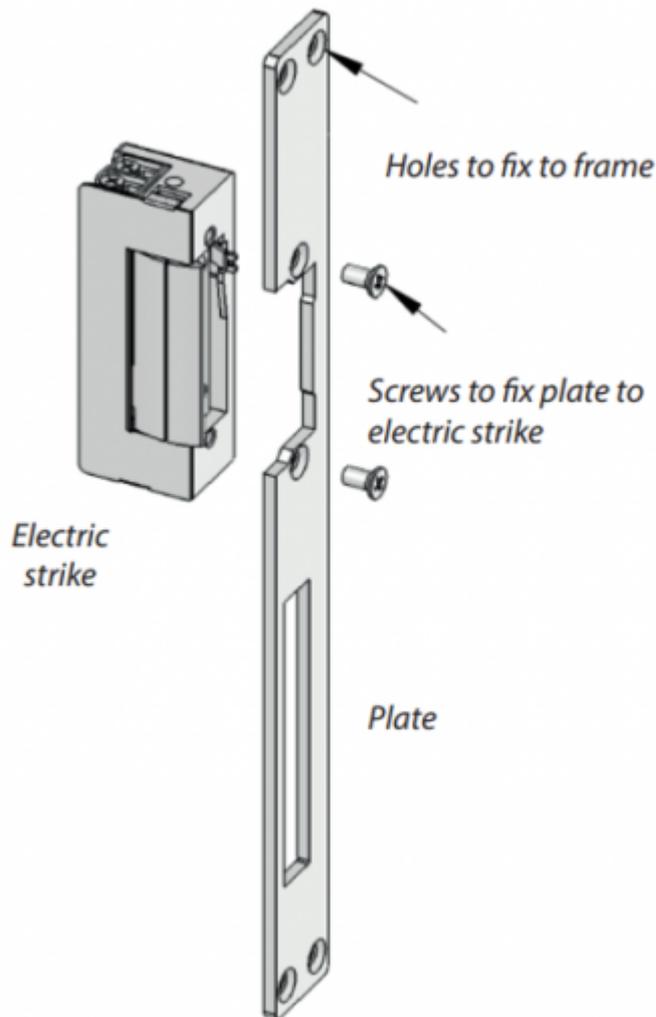
Electric and monitored Connections



Electric connections

- Electric strikes work usually without polarity. A diode can be installed to work with polarity

Installation instructions



Generic installation

- Before starting connection, please check the electrical features as well as the voltage and the current strength of the power supply.
- Follow the manual and connect the cable as indicated on the diagram.
- Fit in the electric strike on the plate using screws.
- Fit in the assembly electric strike and plate to the door frame using screws.
- Adjust if it is necessary flex system.
- Use the electric strike.

Caution

Electric strike could be damaged in some wrong using conditions:

- Voltage is higher than rated. Check voltage output before installation.
- Do not oil or lubricate the electric strike, this could damage internal parts.
- Paint, dirty or wet may affect to the electric strike functions

Certification

	Notified Body No. 2310 „CERTBUD” Sp. z o.o. Mokotowska 46/8, 00-543 Warsaw	 AC 158
Certificate of constancy of performance 2310-CPR-W3138		
<small>In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction products Regulation or CPR), this certificate applies to the construction product:</small>		
Electric strikes: SZ99-1 NF-TOP, SZ99-1 NF 305 TOP, SZ99-1 NF 512 TOP, SZ99-1 NF 305 512 TOP, SZ99-1 NF 524 TOP, SZ99-1 NF 305 524 TOP		
<small>Intended use: in fire partitions as exterior doors</small>		
<small>placed on the market under the name or trade mark of:</small> Montajes Electrónicos Dorcas S.L. Calle José Serrano 6, 46392, Siete Aguas, Valencia		
<small>and produced in the manufacturing plant:</small> Montajes Electrónicos Dorcas S.L. Calle José Serrano 6, 46392, Siete Aguas, Valencia		
<small>This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard(s):</small>		
EN 14846:2008		
<small>under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the</small>		
constancy of performance of the construction product		
<small>This certificate was first issued on 09.11.2023 and will remain valid as long as neither the harmonized standard, methods of assessment and verification of constancy of performance, the construction product itself nor the conditions for its manufacture are modified significantly unless suspended or withdrawn by the notified product certification body.</small>		
	CEO „CERTBUD” Sp. z o.o.  Barbara JASIŃSKA	
Warsaw, 09 November 2023		

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		Notified Body No. 2310 "CERTBUD" Sp. z o.o. Mokotowska 46/8, 00-543 Warszawa		 AC 158					
Certificate of constancy of performance 2310-CPR-W3138									
Electric strikes: SZ99-1 NF-TOP, SZ99-1 NF 305 TOP, SZ99-1 NF 512 TOP, SZ99-1 NF 305 512 TOP, SZ99-1 NF 524 TOP, SZ99-1 NF 305 524 TOP									
Performance characteristics	Requirements under EN 14846:2008	Level and/or class by mandate	Notes						
Self-closing ability									
Door mass and closing force	5.4.	none	passed, grade S Door with a weight of 200kg, maximum closing force of 25N						
Security	Appendix A	none	passed Maintaining the closed state of the hitch						
Durability of the self-closing function									
Durability									
Number of test cycles	5.3.2.	none	passed, grade X Number of test cycles – 200 000; load 120 N						
Fire resistance									
E (fire integrity)	5.5	none	passed, grade D*						
I (fire insulation)									
<small>* Fire resistance has been tested on both sides on two copies of ALUPROF MD-7001 D,60 single-leaf doors with external dimensions of the door frame: width 1115 mm x height 2115 mm, equipped with SZ99-1 NF TOP aversion electric striker cooperating with systeQ 1438 type main lock and SZ99-1 NF 512 TOP reverse electric striker cooperating with systeQ 138P type auxiliary lock.</small>									
CLASSIFICATION ACCORDING TO EN 14846:2008									
Varieties of electric strikes	1	2	3	4	5	6	7	8	9
	Category of use	Durability and load on latchbolt	Door mass and closing force	Suitability for use on fire/smoke doors	Safety	Corrosion resistance, temperature and humidity	Security and drift resistance	Security electrical function	Security electrical manipulation
Electric strikes: SZ99-1 NF-TOP, SZ99-1 NF 305 TOP, SZ99-1 NF 512 TOP, SZ99-1 NF 305 512 TOP, SZ99-1 NF 524 TOP, SZ99-1 NF 305 524 TOP	3	X	5	D	-	L	0	0	2
<small>The fail safe electric strike SZ99-1 NF 512 TOP, SZ99-1 NF 305 512 TOP, SZ99-1 NF 524 TOP and SZ99-1 NF 305 524 TOP can be used in fire and smoke-proof doors only with an additional lock.</small>									
		CEO „CERTBUD” Sp. z o.o.  Barbara JASRINSKA							
Warsaw, 09 November 2023									

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Manufacturer Documentation

Official manufacturer manual (PDF):

[99-nf-top-305.pdf](#)

[technical_drawing_robotina_-_hotel.pdf](#)

[certificat_ei60_serija_sz99.pdf](#)