

CERTIFICATE

of constancy of performance

1922 - CPR - 1240

In compliance with Regulation (EU) 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

Fire detection and fire alarm systems. Control and indicating equipment and power supply equipment. Fixed firefighting systems. Components for gas extinguishing systems. Electrical automatic control and delay devices. Conventional fire detection and automatic extinguishing system with gas – Efire-EEXP1; Efire-EEXP2, Environmental class A

(For list of controlled characteristics, see Annexes I, II and III to 1922 - CPR - 1240 that are an inseparable part of this certificate)

placed on the market under the name or trade mark of

ELEKS Elektrik Elektronik Sistemler San. Ve Tic. Ltd. Sti

Şerifali Mah. Bayraktar Bulvarı, Emin Sok. No:3, 34775 Yukari Dudullu/ Ümraniye, İstanbul, Türkiye

and produced in the manufacturing plant of

ELEKS Elektrik Elektronik Sistemler San. Ve Tic. Ltd. Sti

Şerifali Mah. Bayraktar Bulvarı, Emin Sok. No:3, 34775 Yukari Dudullu/ Ümraniye, İstanbul, Türkiye

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standards

EN 54-2:1997, EN 54-2:1997/A1:2006, EN 54-2:1997/AC:1999; EN 54-4:1997,

EN 54-4:1997/A1:2002, EN 54-4:1997/A2:2006, EN 54-4:1997/AC:1999, EN 12094-1:2003

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 constancy of performance of the construction product.

This certificate was first issued on 09.08.2019 and will remain valid until 09.08.2024 as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body. The certificate is supported through annual surveillance audit and is reissued after each surveillance audit. The validity of the certificate may be confirmed in the CE register at the web address www.dedal-bg.net.



Manager:

Anna Vasileva



dipl. eng. Anna Vasileva

Issued:
Burgas, 09 August 2023

Ref. No. 03-00

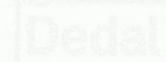
ANNEX I TO CERTIFICATE OF CONSTANCY OF PERFORMANCE 1922 - CPR - 1240/09.08.2023

EN 54-2:1997, EN 54-2:1997/A1:2006, EN 54-2:1997/AC:1999

Essential Characteristics	Performance	Clause
Performance under fire conditions		
- General requirements	Pass	4
- General requirements for indications	Pass	5
- The fire alarm condition	Pass	7
Response delay (response time to fire)		
- Reception and processing of fire signals	Pass	7.1
- Output of the fire alarm condition	Pass	7.7
- Delay to outputs	Pass	7.11
- Dependencies on more than one alarm signal	Pass	7.12
Operational reliability		
- General requirements	Pass	4
- General requirements for indications	Pass	5
- The quiescent condition	Pass	6
- The fire alarm condition	Pass	7
- Fault warning condition	Pass	8
- Disabled condition	Pass	9
- Test condition	Pass	10
- Standardized input/output interface	Pass	11
- Design requirements	Pass	12
- Additional design requirements for software controlled control and indicating equipment	Pass	13
- Marking	Pass	14
Durability of operational reliability, temperature resistance		
- Cold (operational)	Pass	15.4
Durability of operational reliability, vibration resistance		
- Impact (operational)	Pass	15.6
- Vibration, sinusoidal (operational)	Pass	15.7
- Vibration, sinusoidal (endurance)	Pass	15.15
Durability of operational reliability, electrical stability		
- Electromagnetic compatibility (EMC), immunity tests (operational)	Pass	15.8
- Supply voltage variations	Pass	15.13
Durability of operational reliability, humidity resistance		
- Damp heat, steady state (operational)	Pass	15.5
- Damp heat, steady state (endurance)	Pass	15.14



Manager: *Baureba*



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ANNEX II TO CERTIFICATE OF CONSTANCY OF PERFORMANCE 1922 - CPR - 1240/09.08.2023

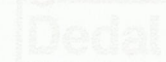
EN 54-4:1997, EN 54-4:1997/A1:2002, EN 54-4:1997/A2:2006, EN 54-4:1997/AC:1999

Essential Characteristics	Performance	Clause
Performance of power supply		
- General requirements	Pass	4
- Functions	Pass	5
- Materials, design and manufacture	Pass	6
Operational reliability		
- General requirements	Pass	4
- Functions	Pass	5
- Materials, design and manufacture	Pass	6
- Documentation	Pass	7
- Marking	Pass	8
Durability of operational reliability, temperature resistance		
- Cold (operational)	Pass	9.5
Durability of operational reliability, vibration resistance		
- Impact (operational)	Pass	9.7
- Vibration, sinusoidal (operational)	Pass	9.8
- Vibration, sinusoidal (endurance)	Pass	9.15
Durability of operational reliability, electrical stability		
- Electromagnetic compatibility (EMC), immunity tests (operational)	Pass	9.9
Durability of operational reliability, humidity resistance		
- Damp heat, steady state (operational)	Pass	9.6
- Damp heat, steady state (endurance)	Pass	9.14



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Anna Vasileva



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**ANNEX III TO CERTIFICATE OF CONSTANCY OF PERFORMANCE
1922 - CPR - 1240/09.08.2023**

EN 12094-1:2003

Essential Characteristics	Performance	Clause
Response Delay (response time)	Pass	4.8
Operational Reliability		
- Functional requirements	Pass	4
- Design requirements	Pass	5
- Additional design requirements for software controlled e.c.d.s	Pass	6
Performance Parameters Under Fire Condition		
- Signal processing and indication	Pass	4.3
- Reception and processing of input triggering signals	Pass	4.4
- Transmission of extinguishing signal	Pass	4.5
- Activation of alarm devices	Pass	4.6
Durability	Pass	9

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