

CERTIFICATE

of constancy of performance

1922 - CPR - 1456

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. Input/output devices. Short - circuit isolators. teknim TFM - 1221 Intelligent Addressable Input/ Output Module with External Power with Built in Isolator

(For list of controlled characteristics, see Annexes I and II to 1922 - CPR - 1456 that are an inseparable part of this certificate)

placed on the market under the name or trade mark of

Bilgi Elektronik San. ve Tic. A.Ş.

**Dudullu Organize Sanayi Bölgesi 1. Cadde İsmet Tarman İş Merkezi No:1, Kat:2
No.32 Ümraniye, İstanbul, Turkey**

and produced in the manufacturing plant

Bilgi Elektronik San. ve Tic. A.Ş.

**Dudullu Organize Sanayi Bölgesi 1. Cadde İsmet Tarman İş Merkezi No:1, Kat:2
No.32 Ümraniye, İstanbul, Turkey**

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

EN 54-18:2005, EN 54-18:2005/AC:2007 and EN 54-17:2005, 54-17:2005/AC:2007

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 03.12.2020 and will remain valid until 28.11.2023 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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

Issued:
Burgas, 03 December 2020

dipl. eng. Anna Vasileva

**ANNEX I TO CERTIFICATE OF CONSTANCY OF PERFORMANCE
1922-CPR-1456/ 03.12.2020**

Performance list, acc. to EN 54-18:2005, EN 54-18:2005/AC:2007

Essential Characteristics	Performance	Clause
Response delay (response time)		
- Performance and variation of supply parameters	Pass	5.2
Performance under fire conditions		
- Functional test	Pass	5.1.4
Operational reliability		
- Functional test	Pass	5.1.4
Durability of operational reliability, temperature resistance		
- Dry heat (operational)	Pass	5.3
- Cold (operational)	Pass	5.4
Durability of operational reliability, vibration resistance		
- Shock (operational)	Pass	5.8
- Impact (operational)	Pass	5.9
- Vibration, sinusoidal (operational)	Pass	5.10
- Vibration, sinusoidal (endurance)	Pass	5.11
Durability of operational reliability, humidity resistance		
- Damp heat, cyclic (operational)	Pass	5.5
- Damp heat, steady state (endurance)	Pass	5.6
Durability of operational reliability, corrosion resistance		
- Sulphur dioxide (SO ₂) corrosion (endurance)	Pass	5.7
Durability of operational reliability, electrical stability		
- Performance and variation of supply parameters	Pass	5.2
- Electromagnetic compatibility (EMC), immunity tests	Pass	5.12



Attestation & Certification

Manager:



Issued:
Burgas, 03 December 2020

dipl. eng. Anna Vasileva

ANNEX II TO CERTIFICATE OF CONSTANCY OF PERFORMANCE
1922-CPR-1456/ 03.12.2020

Performance list, acc. to EN 54-17:2005;EN 54-17:2005/AC:2007

Essential Characteristics	Performance	Clause
Performance under fire conditions		
- Reproducibility	Pass	5.2
Operational reliability		
- Requirements	Pass	4
Durability of operational reliability, temperature resistance		
- Dry heat (operational)	Pass	5.4
- Cold (operational)	Pass	5.5
Durability of operational reliability, vibration resistance		
- Shock (operational)	Pass	5.9
- Impact (operational)	Pass	5.10
- Vibration, sinusoidal (operational)	Pass	5.11
- Vibration, sinusoidal (endurance)	Pass	5.12
Durability of operational reliability, humidity resistance		
- Damp heat, cyclic (operational)	Pass	5.6
- Damp heat, steady state (endurance)	Pass	5.7
Durability of operational reliability, corrosion resistance		
- Sulphur dioxide (SO ₂) corrosion (endurance)	Pass	5.8
Durability of operational reliability, electrical stability		
- Variation of supply parameters	Pass	5.3
- Electromagnetic compatibility (EMC), immunity tests (operational)	Pass	5.13



Manager:



Issued:
Burgas, 03 December 2020

dipl. eng. Anna Vasileva