

# CERTIFICATE

## of constancy of performance

### 1922 - CPR - 1814

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. Short-circuit isolators and Input/output devices. Addressable single-input and single-output device with Short-circuit isolator M9000A IO;**

**Addressable Input/output devices with short-circuit isolators controlling a conventional fire alarm line M9000A ACZ**

(with the performance listed, see Annexes I and II to 1922-CPR-1814 that are an inseparable part of this certificate)

placed on the market under the name or trade mark of

**DMTech Ltd.**

**1 Ekzarh Yosif Str., 5800 Pleven, Bulgaria**

and produced in the manufacturing plant of

**DMTech Ltd.**

**58 Kliment Ohridski Str., 5803 Pleven, Bulgaria**

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 54-17:2006,**

**EN 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 22.06.2022 and will remain valid 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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. The validity of the certificate may be confirmed in the CE register at the web address [www.dedal-bg.net](http://www.dedal-bg.net).



Manager:

*Anna Vasileva*

dipl. eng. Anna Vasileva

## ANNEX I TO CERTIFICATE OF CONSTANCY OF PERFORMANCE 1922-CPR-1814/ 22.06.2022

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

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



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## ANNEX II TO CERTIFICATE OF CONSTANCY OF PERFORMANCE 1922-CPR-1814/ 22.06.2022

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

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



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