



EVPÚ[®]

NOTIFIED BODY No. 1293

CERTIFICATE OF CONSTANCY OF PERFORMANCE

No. 1293 – CPR – 0809

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

Multisensor detector MHG 881

For specifications see Annex to this certificate

placed on the market under the name or trade mark of

LITES Liberec s.r.o.

Oblouková 135, 463 03 Stráž nad Nisou, Czech Republic

and produced in the manufacturing plant

LITES Liberec s.r.o.

Kateřinská 235, 463 03 Stráž nad Nisou, Czech Republic

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

EN 54-5: 2017+A1: 2018

EN 54-7: 2018

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 October 21st, 2021 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.



Nová Dubnica, October 21st, 2021

054154

Dušan Novotný
Director NB

Annex to Certificate No. 1293 - CPR – 0809 from October 21st, 2021

Technical specifications

The MHG 881 detector is designed for cooperation with analog addressable control panels MHU 115, MHU 116, MHU 117. It is designed for environments that require higher mechanical resistance of the detector. The detector contains a program that evaluates based on measurements of ambient temperature and smoke concentration fire situation.

By setting the combination of optical and temperature part of the multisensor detector for announcing the alarm it is possible to choose whether the fire will be declared only by the optical part or only by the temperature part, or a combination of both.

The detector can be set to dust monitoring, which monitors the resting level of the detector and on its basis evaluates the degree of dusting of the optical chamber and thus the reliability of the detector; dust monitoring can be set or disable; it is set with regard to the degree of dust in the vicinity of the detector.

The detector regulates its internal operating characteristics and, if they do not correspond to the permissible tolerance, declares a fault.

The detector is connected to the fire line using the MHY 713 terminal block.

Power supply: 18 ÷ 22 V_{imp}

Temperature class according to EN 54-5: A2

Optical signaling in the detector: red LED

Dust monitoring: off / on

Testing of the optical part with a test aerosol

Testing the temperature part by inquiry from the control panel

Dimensions: (Ø 147 x 106) mm

Weight: 1.2 kg with base; (603 g without base)

Essential characteristics	Harmonised technical specification		Performance
	EN 54-5: 2017+ A1: 2018	EN 54-7: 2018	
Operational reliability	cl. 4.2.1, 4.2.2, 4.2.3=N/A, 4.2.4, 4.2.5, 4.2.6=N/A, 4.2.7	cl. 4.2.1 to 4.2.4, 4.2.5=N/A, 4.2.6 to 4.2.8	Pass
Nominal activation conditions / Sensitivity	cl. 4.3.1 to 4.3.3, 4.3.4=N/A, 4.3.5, 4.3.6	cl. 4.3.1 to 4.3.3	Pass
Response delay (response time)	cl. 4.4.1=N/A, 4.4.2=N/A	cl. 4.4.1, 4.4.2	Pass
Tolerance to supply voltage	cl. 4.5.1	cl. 4.5	Pass
Performance parameters under fire conditions	---	cl. 4.6	Pass
Durability of Nominal activation condition / Sensitivity: Temperature resistance	cl. 4.6.1.1, 4.6.1.2=N/A	cl. 4.7.1.1, 4.7.1.2	Pass
Durability of Nominal activation condition / Sensitivity: Humidity resistance	cl. 4.6.2.1, 4.6.2.2	cl. 4.7.2.1, 4.7.2.2	Pass
Durability of Nominal activation condition / Sensitivity: Corrosion resistance	cl. 4.6.3	cl. 4.7.3	Pass
Durability of Nominal activation condition / Sensitivity: Vibration resistance	cl. 4.6.4.1 to 4.6.4.4	cl. 4.7.4.1 to 4.7.4.4	Pass
Durability of Nominal activation condition / Sensitivity: Electrical stability	cl. 4.6.5	cl. 4.7.5	Pass



Nová Dubnica, October 21st, 2021

Dušan Novotný
Director NB