

Declaration of performance No. 8/2018**1. Unique identification code of the product-type**ZSP100-1.5A-07, ZSP100-1.5A-18, ZSP100-2.5A-07, ZSP100-2.5A-18,
ZSP100-4.0A-07, ZSP100-4.0A-18, ZSP100-4.0A-40,
ZSP100-5.5A-07, ZSP100-5.5A-18, ZSP100-5.5A-40
Power supply

Product name

2. Intended use/esThe Power Supply for fire detection and fire alarm systems,
the Power Supply for smoke and heat control systems.**3. Manufacturer**

Manufacturer's address

MERAWEX Sp. z o.o.
Toruńska 8, 44-122 Gliwice, Poland**4. Nd / Na****5. The system of assessment and verification of constancy of performance of construction product**

System 1 (att. V CPR)

6. Harmonized standards

EN 54-4:1997 + A1:2002 + A2:2006, EN 12101-10:2005

Name and No. of the notified body

Certification Department No 1438 - CNBOP-PIB

The CNBOP-PIB notified certification body issued for the power supply the Certificate of constancy of performance No. 1438-CPR-0454 and the Certificate of admittance No. 2582/2016.

7. Declared performance/s

We hereby declare under our sole responsibility that the above designated product is compliant with the standards set out in the European Union directives, the harmonized standards and the regulation of the European Parliament and of the European Union Council.

No.	Essential characteristics of the product	Standard's clause	Performance
EN 54-4:1997 + A1:2002 + A2:2006			
Performance of power supply			
1	General requirements	4	Pass
2	Functions	5	Pass
3	Materials, design and manufacture	6	Pass
Operational reliability			
4	General requirements	4	Pass
5	Functions	5	Pass
6	Materials, design and manufacture	6	Pass
7	Documentation	7	Pass
8	Marking	8	Pass
Durability of operational reliability: temperature resistance			
9	Cold (operational)	9.5	Pass
Durability of operational reliability: vibration resistance			
10	Impact (operational)	9.7	Pass
11	Vibration, sinusoidal (operational)	9.8	Pass
12	Vibration, sinusoidal (endurance)	9.15	Pass
Durability of operational reliability: electrical stability			
13	Electromagnetic compatibility (EMC), immunity tests (operational)	9.9	Pass
Durability of operational reliability: humidity resistance			
14	Damp heat, steady state (operational)	9.6	Pass
15	Damp heat, steady state (endurance)	9.14	Pass
EN 12101-10:2005			
Operational reliability			
1	Functions	6	Pass
2	Materials, design and manufacture	7	Pass
Operating parameters in fire conditions			



**Power supplies • Electronics
Development • Production • Batteries
Contract manufacturing • Mechanics**

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3	General provisions	4.1	Pass
4	Power supply source – general provisions	5.2.1	Not applicable
Response time			
5	General provisions	4.1	Pass
6	Power supply source – general provisions	5.2.1	Not applicable
7	Power supply from reserve source (battery)	6.2.2	Pass
8	Power supply from reserve source (generator)	6.3.1	Not applicable
Standard		Level / Class	
<u>Regulation of the European Parliament and of the European Union and Council (EU) of 09.03.2011 (CPR) 305/2011/EU</u>			
Smoke and heat control system - Part10: Power supplies EN 12101-10:2005		Functional Class A Environmental Class 1	
<u>Electromagnetic compatibility (EMC) 2014/30/EU</u>			
ESD immunity EN 61000-4-2:2009 - direct in the air - direct contact - indirect		Level 3 (8 kV) Level 3 (6 kV) Level 3 (6kV)	
RF field immunity EN 61000-4-3:2006 + A1:2008 + A2:2010 - in the range 80-2700 MHz		Level 3 (10 V/m)	
EFT burst EN 61000-4-4:2012 - power terminal and PE - DC output terminal - indication terminals		Level 3 (2 kV/5 kHz) Level 3 (1 kV/5 kHz) Level 3 (1 kV/5 kHz)	
Surge immunity EN 61000-4-5:2014 + A1:2017 - line-line - line-earth - output circuits-indication circuits-PE		Level 2 (1 kV) Level 3 (2 kV) Level 2 (1 kV)	
Conducted RF fields disturbances immunity EN 61000-4-6:2009		Level 3 (10 V _{rms})	
Surge dips, interruptions and changes EN 61000-4-11:2002, EN 50130-4:2011 + A1:2014		20% - 5000 ms; 30% - 500 ms; 60% - 10, 20, 100, 200 ms; 100% - 10, 20, 100, 5000 ms	

8. Appropriate technical documentation

documentation code (number): 0658

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Issued for and on behalf of:

MERAWEX Sp. z o.o.
Gliwice, 24.07.2018

Dariusz Cygankiewicz

Authorized person:

Chairman of the Board

Grzegorz Szandar