Date: January 19, 2023

CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER	1. 721/BA/22 2. 1963/BA/19	**CERTIFICATE NUMBER**	DC – UAE – 0227
DATE OF ISSUE	1. December 5, 2022 2. February 21, 2020	**DATE OF ISSUE**	January 19, 2023
DATE OF EXPIRY	Not applicable	**DATE OF EXPIRY**	January 18, 2033
Manufacturer details			
NAME OF FACTORY / MANUFACTURER	POLON-ALFA S.A.	**NAME OF THE BRAND**	POLON-ALFA
FACTORY ADDRESS / REGION	ul. Glinki 155 85-861 Bydgoszcz Republic of Poland	**MODEL / NO**	SAB-3001, SAB-3006
WEBSITE	www.polon-alfa.pl	**LOGO ON THE PRODUCT**	POLON-ALFA
TELEPHONE	+48 52 36 39 278	**EMAIL**	export@polon-alfa.pl justyna.kasierska@polon-alfa.pl

CENTRUM NAUKOWO-BADAWCZE im. Józefa Tuliszkowskiego OCHRONY PRZECIWPOŻAROWEJ PAŃSTWOWY INSTYTUT BADAWCZY

Product Details From Test Report		Reference Test Report Page No.
DESCRIPTION OF THE PRODUCT	Sounder with visual alarm device type SAB-3000 with socket G-40S in varieties: SAB-3001-3RR, SAB-3001-6RR, SAB-3001-6WW, SAB-3006-3RR, SAB-3006-6RR, SAB-3006-6WW with short-circuit isolator (Detailed specification below)	3 (721/BA/22)
TESTS STANDARD	EN 54-3:2001+A1:2002+A2:2006 Fire detection and fire alarm systems – Part 3: Fire alarm devices – Sounders EN 54-17:2005+AC:2007 Fire detection and fire alarm systems – Part 17: Short-circuit isolators EN 54-23:2010 Fire detection and fire alarm systems – Part 23: Fire alarm devices – Visual alarm devices	15 (721/BA/22) 16 (1963/BA/19)
TESTS DESCRIPTION	Requirements, test methods and performance criteria for sounders, visual alarm devices and short-circuit isolators	15 (721/BA/22) 16 ÷ 17 (1963/BA/19)
SPECIFICATION OF TEST SPECIMEN		8 ÷ 12 (721/BA/22) 7 ÷ 8 (1963/BA/19)

Type:	SAB-3001-3RR SAB-3001-6RR	SAB-3001-6WW	SAB-3006-3RR SAB-3006-6RR	SAB-3006-6WW
Supply voltage [V DC]:	9,6 ÷ 30,0			
Quiescent current [A]:	< 0,01			
Alarm current [A]:	< 0,28			
Sound level (1m) [dB]:	71,14 ÷ 109,04		74,64 ÷ 108,94	
Frequency and sound pattern:	* as specified below			
Voice sounder:	no		yes „Uwaga, uwaga! Ogłaszam alarm pożarowy. Proszę zastosować się do planu ewakuacji" „Uwaga, uwaga! W budynku wykryto pożar. Proszę zastosować się do instrukcji przeciwpożarowej"	
Message synchronization:	no		yes	
Frequency of flashing [Hz]:	0,5			
Light colour:	red	white	red	white
Sounder category:	O			
Synchronization function:	yes			
Type of work environment:	A			
IP protection:	21C			
Type of installation:	surface wall or ceiling mounted			
Dimensions [mm]:	Ø 115 x 94			
Material of housing:	plastic material			
Mass [g]:	260			
Short-circuit isolator				
Integral status indication:	no			
Connection of ancilliary devices:	yes			
Detachable device:	no			
On-site adjustment of the isolator:	no			
Software controlled device:	yes			
Nominal voltage [V DC]:	24			
Maximum voltage [V DC]:	24,6			
Minimal voltage [V DC]:	16,5			
Maximum voltage at which the device isolates [V DC]:	6			
Minimum voltage at which the device isolates [V DC]:	3			
Maximum voltage at which the device reconnects [V DC]:	24,6			
Minimum voltage at which the device reconnects [V DC]:	16,5			

* Frequency and sound pattern:

SAB-3001-3RR, SAB-3001-6RR, SAB-3001-6WW:

1. (1000 Hz for 500 ms, then silence for 500 ms) x 3, then silence for 1000 ms;
2. 1200-500 Hz; drooping for 1000 ms;
3. 500 Hz; continuous signal;
4. 500 Hz for 1000 ms, then silence for 1000 ms;
5. 554 Hz for 250 ms, then 400 Hz for 250 ms;
6. 500-1200 Hz; growing for 3500 ms, then silence for 500 ms
7. 600 Hz for 332 ms, then silence for 332 ms;
8. 600-1200 Hz; growing for 120 ms, then drooping for 120 ms;
9. 2600 Hz for 100 ms, then silence for 130 ms;
10. 2600-3400 Hz; growing for 400 ms;
11. 2000-3000 Hz; growing for 500 ms;
12. 2500 Hz for 250 ms, then silence for 250 ms;
13. 3300 Hz for 150 ms, then silence for 100 ms;
14. 800 Hz for 20 ms, then silence for 20 ms;
15. 800 Hz; continuous signal;
16. (2500 Hz for 20 ms, then silence for 20 ms) x 13, then silence for 500 ms

SAB-3006-3RR, SAB-3006-6RR, SAB-3006-6WW:

1. (1000 Hz for 500 ms, then silence for 500 ms) x 3, then silence for 1000 ms;
2. 1200-500 Hz; drooping for 1000 ms

TESTS RESULTS	EN 54-3	Sound level	PASS	16 ÷ 17 (721/BA/22) 17 ÷ 25 (1963/BA/19)
	EN 54-3	Frequencies and sound pattern	PASS	
	EN 54-3	Reproducibility	PASS	
	EN 54-3	Operational performance	PASS	
	EN 54-3	Attention drawing signal and message broadcast sequences	PASS	
	---------		---------	
	EN 54-3	Synchronisation	PASS	
	EN 54-3	Broadcast message performance	PASS	
	EN 54-3	Attention drawing signal/silence/message sequence timing	PASS	
	---------		---------	
	EN 54-3	Message synchronisation testing	PASS	
	EN 54-3	Durability	PASS	
	EN 54-3	Construction	PASS	
	EN 54-3	Marking and data	PASS	
	EN 54-3	Durability	PASS	
	EN 54-3	General testing	PASS	
	EN 54-3 - EN 60068-2-2	Dry heat (operational)	PASS	
	EN 54-3 - EN 60068-2-2	Dry heat (endurance)	NOT APPLICABLE	
	EN 54-3 - EN 60068-2-1	Cold (operational)	PASS	
	EN 54-3 - EN 60068-2-30	Damp heat, cyclic (operational)	PASS	
	EN 54-3 - EN 60068-2-78	Damp heat, steady state (endurance)	PASS	
	EN 54-3 - EN 60068-2-30	Damp heat, cyclic (operational)	PASS	
	EN 54-3 - EN 60068-2-78	Damp heat, steady state (endurance)	PASS	
	EN 54-3 - EN 60068-2-30	Damp heat, cyclic (endurance)	NOT APPLICABLE	
	EN 54-3 - EN 60068-2-42	Sulphur dioxide (SO_2) corrosion (endurance)	PASS	
	EN 54-3 - EN 60068-2-27	Shock (operational)	PASS	
	EN 54-3 - EN 60068-2-75	Impact (operational)	PASS	
	EN 54-3 - EN 60068-2-6	Vibration, sinusoidal (operational)	PASS	
	EN 54-3 - EN 60068-2-6	Vibration, sinusoidal (endurance)	PASS	
	EN 54-3 - EN 50130-4	Electromagnetic compatibility, immunity (operational)	PASS	
	EN 54-3 - EN 60529	Enclosure protection	PASS	
	EN 54-17	Reproducibility	PASS	17 (721/BA/22) 25 ÷ 30 (1963/BA/19)
	EN 54-17	Requirements	PASS	
	EN 54-17 - EN 60068-2-2	Dry heat (operational)	PASS	
	EN 54-17 - EN 60068-2-1	Cold (operational)	PASS	
	EN 54-17 - EN 60068-2-27	Shock (operational)	PASS	
	EN 54-17	Impact (operational)	PASS	
	EN 54-17 - EN 60068-2-6	Vibration, sinusoidal (operational)	PASS	
	EN 54-17 - EN 60068-2-6	Vibration, sinusoidal (endurance	PASS	
	EN 54-17 - EN 60068-2-30	Damp heat, cyclic (operational)	PASS	
	EN 54-17 - EN 60068-2-78	Damp heat, steady state (endurance)	PASS	
	EN 54-17 - EN 60068-2-42	Sulphur dioxide (SO_2) corrosion (endurance)	PASS	
	EN 54-17	Variation in supply parameters	PASS	
	EN 54-17 - EN 50130-4	Electromagnetic compatibility, immunity (operational)	PASS	
	EN 54-23	Duration of operation	PASS	17 (721/BA/22) 30 ÷ 37 (1963/BA/19)
	EN 54-23	Provision for external conductors	PASS	
	EN 54-23	Flammability of materials	PASS	
	EN 54-23	Enclosure protection	PASS	
	EN 54-23	Access	PASS	
	EN 54-23	Manufacturer's adjustments	PASS	
	EN 54-23	On-site adjustment of behaviour	PASS	
	EN 54-23	Requirements for software controlled devices	PASS	
	EN 54-23	Coverage volume	PASS	
	EN 54-23	Variation of light output	PASS	
	EN 54-23	Minimum and maximum light intensity	PASS	
	EN 54-23	Light colour	PASS	
	EN 54-23	Light temporal pattern and frequency of flashing	PASS	
	EN 54-23	Marking and data	PASS	
	EN 54-23 - EN 60068-2-2	Synchronization (option with requirements)	PASS	
	EN 54-23 - EN 60068-2-2	Dry heat (operational)	PASS	
	EN 54-23 - EN 60068-2-2	Dry heat (endurance)	NOT APPLICABLE	
	EN 54-23 - EN 60068-2-1	Cold (operational)	PASS	
	EN 54-23 - EN 60068-2-30	Damp heat, cyclic (operational)	PASS	
	EN 54-23 - EN 60068-2-78	Damp heat, steady state (endurance)	PASS	
	EN 54-23 - EN 60068-2-30	Damp heat, cyclic (endurance)	NOT APPLICABLE	
	EN 54-23 - EN 60068-2-27	Shock (operational)	PASS	
	EN 54-23 - EN 60068-2-75	Impact (operational)	PASS	
	EN 54-23 - EN 60068-2-6	Vibration (operational)	PASS	
	EN 54-23 - EN 60068-2-6	Vibration (endurance)	PASS	
	EN 54-23 - EN 60068-2-42	SO_2 corrosion (endurance)	PASS	
	EN 54-23 - EN 50130-4	EMC, immunity (operational)	PASS	
PRODUCT APPLICATION GUIDELINE	KK-E395/03.2022/EN	The SAB-3001 and SAB-3006 are sounders with integrated visual alarm device and short-circuit isolator. They are designed for acoustic (voice and sound) and optical fire alarm signalling. The SAB-3001 and SAB-3006 co-operates with G-40S socket to which the surveillance lines are connected. The SAB-3001 and SAB-3006 can work only in addressable line / loops of control and indicating equipment type POLON 3000.		Not applicable

Laboratory and Certification Body Details			
NAME OF CERTIFICATION BODY	CNBOP-PIB Centrum Naukowo-Badawcze Ochrony Przeciwpożarowej Państwowy Instytut Badawczy	NAME OF TEST FACILITY	CNBOP-PIB Zespół Laboratoriów Sygnalizacji Alarmu Pożaru i Automatyki Pożarniczej
CERTIFICATION BODY ADDRESS / REGION	ul. Nadwiślańska 213. 05-420 Józefów REPUBLIC OF POLAND	TEST FACILITY ADDRESS / REGION	ul. Nadwiślańska 213. 05-420 Józefów REPUBLIC OF POLAND
WEBSITE	www.cnbop.pl	WEBSITE	www.cnbop.pl
TELEPHONE	+48 22 769 33 47	TELEPHONE	+48 22 769 32 26
EMAIL	jcw@cnbop.pl	EMAIL	ba@cnbop.pl
ACCREDITED BY	Polish Centre for Accreditation http://www.pca.gov.pl	ACCREDITED BY	Polish Centre for Accreditation http://www.pca.gov.pl
AS PER	EN ISO/IEC 17065 Requirements for bodies certifying products, processes and services	AS PER	EN ISO/IEC 17025 General requirements for the competence of testing and calibration laboratories
VALIDITY	October 3, 2026	VALIDITY	October 11, 2025
REFERENCE NUMBER	AC 063	REFERENCE NUMBER	AB 207
CERTIFICATION MARK	CNBOP-PIB		
(ENDORSEMENT) TO BE SIGNED BY MANUFACTURER			
NAME AND SURNAME OF MANUFACTURERS SIGNATORY	JACEK SZUBIŃSKI	SIGNATURE	Dyrektor Zakładu Produkcyjnego Jacek Szubiński
EMAIL / TELEPHONE	+4852 3639 228 export@polon-alfa.pl	FACTORY OFFICIAL SEAL	POLON-ALFA S.A. ul. Glinki 155 85-861 BYDGOSZCZ NIP 554-03-11-901 (1)
NOTES	I UNDERTAKE THAT ALL DATA AND INFORMATION PROVIDED ARE GENUINE AND ACCURATE.		
(ENDORSEMENT) TO BE CERTIFICATION BODY			
NAME AND SURNAME OF CERTIFICATION BODY SIGNATORY	st. bryg dr inż. Paweł Janik	SIGNATURE	
EMAIL / TELEPHONE	cnbop@cnbop.pl 0048 227693300	CERTIFICATION BODY OFFICIAL SEAL	CENTRUM NAUKOWO-BADAWCZE ul. Józefa Tuliszkowskiego PAŃSTWOWY INSTYTUT BADAWCZY OCHRONY PRZECIWPOŻAROWEJ
NOTES	I UNDERTAKE THAT ALL DATA AND INFORMATION PROVIDED ARE GENUINE AND ACCURATE.		

ATTACHEMENT: COPY OF "CERTIFICATE OF CONSTANCY OF PERFORMANCE" NO. 1438-CPR-0888 ISSUED BY CERTIFICATION BODY