




Date: March 9, 2023

CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER	720/BA/22 522/BA/22 366/BA/17 issue 2 654/BA/14 653/BA/14	CERTIFICATE NUMBER	DC - UAE - 0239
DATE OF ISSUE	February 3, 2023 October 10, 2022 January 17, 2018 August 28, 2014 July 30, 2014	DATE OF ISSUE	March 9, 2023
DATE OF EXPIRY	Not applicable	DATE OF EXPIRY	March 8, 2033
Manufacturer details			
NAME OF FACTORY / MANUFACTURER	Polon-Alfa S.A.	NAME OF THE BRAND	Polon-Alfa S.A.
FACTORY ADDRESS / REGION	ul. Glinki 155 85-861 Bydgoszcz Republic of Poland	MODEL / NO	SAW-3001 SAW-3006
WEBSITE	www.polon-alfa.pl	LOGO ON THE PRODUCT	
TELEPHONE	+48 52 36 39 278	EMAIL	export@polon-alfa.pl justyna.kasierska@polon-alfa.pl





Product Details From Test Report		Reference Test Report Page No.
DESCRIPTION OF THE PRODUCT	Sounder type SAW-3000 with socket G-40S in varieties SAW-3001 and SAW-3006 with shortcut isolator (Detailed specification below)	720/BA/22 (4) 522/BA/22 (3) 366/BA/17 issue 2 (4) 654/BA/14 (3-4) 653/BA/14 (4)
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	720/BA/22 (9-10) 522/BA/22 (4) 366/BA/17 issue 2 (5) 654/BA/14(6) 653/BA/14 (7)
TESTS DESCRIPTION	Requirements, test methods and performance criteria for sounder intended to broadcast a warning of fire between a fire detection and fire alarm system and the occupants of a building and short-circuit isolators.	720/BA/22 (10) 522/BA/22 (4) 366/BA/17 issue 2 (5-6) 654/BA/14 (5-6) 653/BA/14 (5-7)
SPECIFICATION OF TEST SPECIMEN	Type:	SAW-3001 SAW-3006
	Supply voltage [V DC]:	9,6 ÷ 30
	Quiescent current [A]:	0,00001
	Alarm current [A]:	≤ 0,1 for 9,6 V DC ÷ 16 V DC ≤ 0,05 for 16 V DC ÷ 30 V DC
	Sound level (1m) [dB]:	103 / 96 / 91 (depending on settings)
	Frequency and sound pattern:	2600 Hz for 100 ms, then silence for 130 ms 554 Hz for 250 ms, then 400 Hz for 250 ms 2000-3000 Hz; growing for 500 ms
	Voice sounder:	no yes
	Message synchronization:	not applicable yes Sequence 1: „Uwaga, uwaga! Oglašam alarm pożarowy. Proszę zastosować się do planu ewakuacji.” Sequence 2: „Uwaga, uwaga! W budynku wykryto pożar. Proszę zastosować się do instrukcji przeciwpożarowej.” Sequence 3: brak
	Message synchronization:	no yes
	Type of work environment:	A
	IP protection:	21C
	Type of installation:	surface wall or ceiling mounted
	Dimensions [mm]:	Ø 115 x 70 (with socket G-40S)
	Material of housing:	plastic material
	Mass [g]:	200
	Integral status indication:	yes
	Connection of ancillary 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	
		720/BA/22 (5-8) 522/BA/22 (3) 366/BA/17 issue 2 (4) 654/BA/14 (4) 653/BA/14 (4)





	EN 54-3	Sound level	PASS	
	EN 54-3	Frequency 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 (SAW-3006) NOT APPLICABLE (SAW-3001)	
	EN 54-3	Synchronization	PASS (SAW-3006) NOT APPLICABLE (SAW-3001)	
	EN 54-3	Broadcast message performance	PASS (SAW-3006) NOT APPLICABLE (SAW-3001)	
	EN 54-3	Attention drawing signal/silence/message sequence timing	PASS (SAW-3006) NOT APPLICABLE (SAW-3001)	
	EN 54-3	Message synchronization testing	PASS (SAW-3006) NOT APPLICABLE (SAW-3001)	
	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 (SAW-3006) NOT APPLICABLE (SAW-3001)	
	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 - IEC 60068-2-78	Damp heat, steady state (endurance)	PASS	
	EN 54-3 - EN 60068-2-30	Damp heat, cyclic (operational)	PASS	
	EN 54-3 - IEC 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 - IEC 60068-2-42	Sulfur 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 (EMC), immunity (operational)	PASS	
	EN 54-17	Reproducibility	PASS	
	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	
PRODUCT APPLICATION GUIDELINE	KK-E394/03.2022/EN	Addressable acoustic sounders SAW-3001/SAW-3006 are designed for acoustic signalization of fire with tones (SAW-3001) or voice messages (SAW-3006). They are dedicated for operation in addressable detection lines of POLON 3000 only. They are activated by the control panel when all programmed criterion are fulfilled e.g. fire alarm in particular zone, general fire alarm etc.		Not applicable

720/BA/22 (11-16)
522/BA/22 (4)
366/BA/17 issue 2 (6-8)
654/BA/14 (6-8)
653/BA/14 (8-14)





Laboratory and Certification Body Details

NAME OF CERTIFICATION BODY	CNBOP-PIB Centrum Naukowo-Badawcze Ochrony Przeciwpozarowej 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			
(ENDORSEMENT) TO BE SIGNED BY MANUFACTURER			
NAME AND SURNAME OF MANUFACTURERS SIGNATORY	JACEK SZUBIŃSKI	SIGNATURE	
EMAIL / TELEPHONE	+48 52 36 39 278 export@pbk-alfa.pl	FACTORY OFFICIAL SEAL	
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 +48 22 769 33 00	CERTIFICATION BODY OFFICIAL SEAL	
NOTES	I UNDERTAKE THAT ALL DATA AND INFORMATION PROVIDED ARE GENUINE AND ACCURATE.		

ATTACHMENT:

COPY OF "CERTIFICATE OF CONSTANCY OF PERFORMANCE" NO. 1438-CPR-0893 ISSUE 1 ISSUED BY CERTIFICATION BODY